

Cambridge Primary

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Hodder Cambridge Primary

Maths

Workbook



Stage 2

Catherine Casey

Series editors: Mike Askew
and Paul Broadbent

 **HODDER**
EDUCATION

Cambridge Primary

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Acknowledgements

With warm thanks to Jennifer Peek for her help in shaping and developing this title.

The Publisher is extremely grateful to the following schools for their comments and feedback during the development of this series:

Avalon Heights World Private School, Ajman

The Oxford School, Dubai

Al Amana Private School, Sharjah

British International School, Ajman

Wesgreen International School, Sharjah

As Seeb International School, Al Khoud.

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Published by Hodder Education

An Hachette UK Company

Carmelite House, 50 Victoria Embankment, London EC4Y 0DZ

Impression number 1 2 3 4 5

Year 2021 2020 2019 2018 2017

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Cover illustration by Steve Evans

Illustrations by Karen Ahlschläger, Jeanne du Plessis and Anna-Marie Brink

Typeset in FS Albert 17/19 by DTP Impressions

Printed in Great Britain by Hobbs the Printers Ltd, Totton, Hampshire SO40 3WX

A catalogue record for this title is available from the British Library

9781471884597

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Unit 1 Number and problem solving

Can you remember?

a One less than 6 is .

b Ten less than 32 is .

c One more than 14 is .

d Ten more than 8 is .

Numbers to 100

1 Match the number names to the two-digit numbers.

fourteen

25

twenty-five

36

thirty-six

14

forty-seven

47

2 Fill in the missing numbers.

1	2	3	4	5	6	7		9	10
11		13	14	15	16	17	18	19	20
21	22	23	24		26	27	28	29	
31	32	33	34	35	36		38	39	40
41	42	43		45	46	47	48	49	50
	52	53	54	55		57	58	59	60
61	62	63	64	65	66	67	68	69	
71	72	73		75	76	77	78	79	80
81	82	83	84		86	87		89	90
91	92		94	95	96	97	98	99	100

3

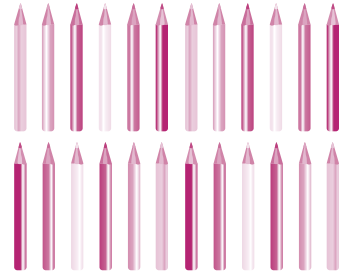
Take a handful of items like crayons, pebbles, shells, paper-clips or dried pasta.

Count them in twos, fives and tens. How many are there?

Example

I counted in twos.

There are 24 crayons.



I counted in _____. There are _____.

I counted in _____. There are _____.

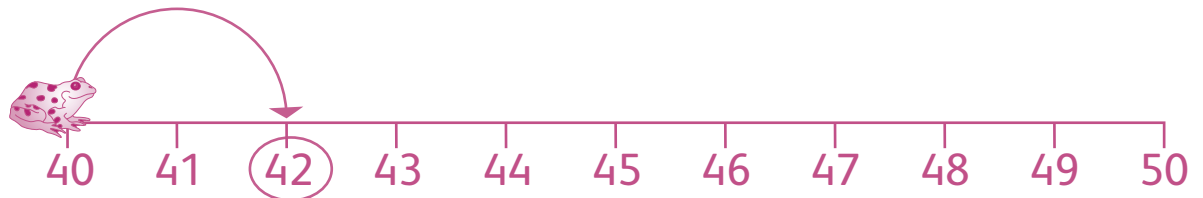
I counted in _____. There are _____.

4

Draw the frog jumps on the number line.

Circle each number the frog lands on.

a Count in **twos**.



b Count in **fives**.



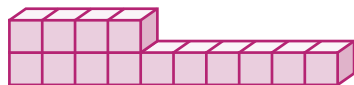
c Count in **tens**.



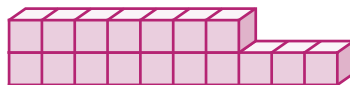
Comparing numbers

1 Draw a circle around the bigger number.

a

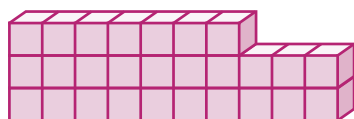


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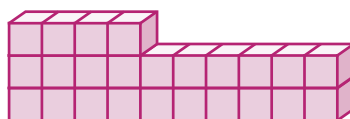


17

b

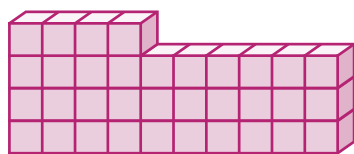


27

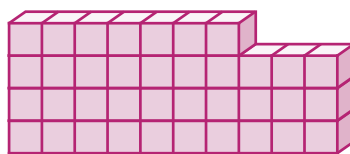


24

c



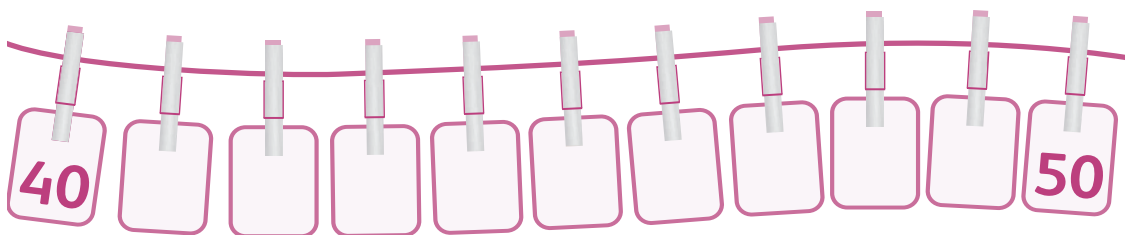
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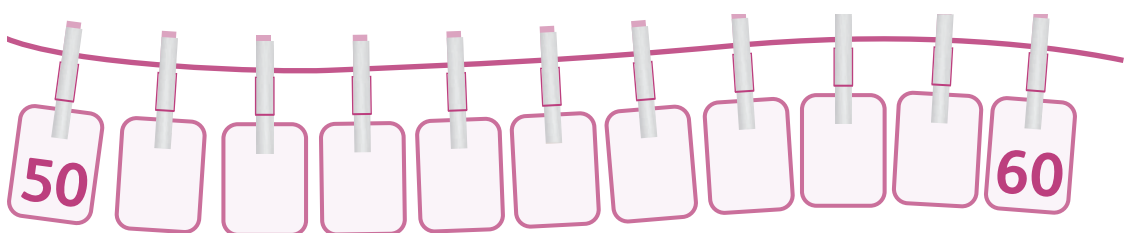
37

2 Fill in the missing numbers.

a



b



3 Round the numbers to the nearest multiple of 10.

a

← 53

b

← 71

c

47

→

d

89

→

4

Draw a picture of five children standing in a line.

The **1st** child is wearing a blue T-shirt.

The **2nd** child is the tallest.

The **3rd** child is wearing a hat.

The **4th** child is wearing a green T-shirt.

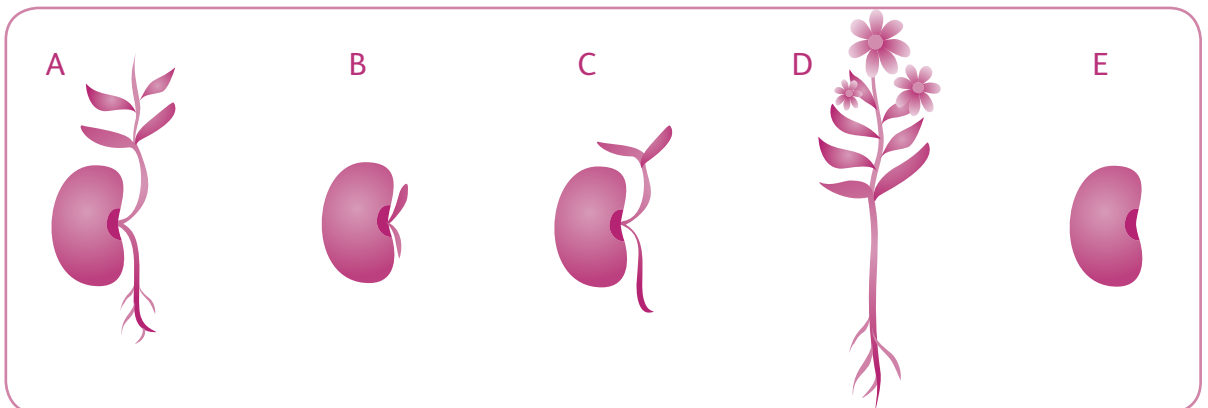
The **5th** child is the shortest.



5

The pictures of the plant are mixed up. Put the pictures in the correct order. Start with the seed that you plant.

The first one has been done for you.



1st: Picture

E

2nd: Picture

3rd: Picture

4th: Picture

5th: Picture

Number and place value

1 Make your own place value apparatus.

You will need

- a packet of drinking straws
- string/ribbon/elastic bands

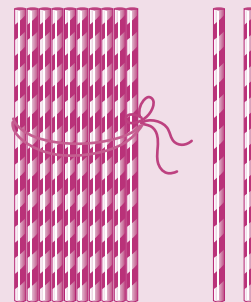
Method

Make tens: Count out ten straws.

Tie them together with string.

Repeat four times.

Make ones: Use individual straws.



Now make these numbers.

a 13

b 14

c 15

d 23

e 24

f 34

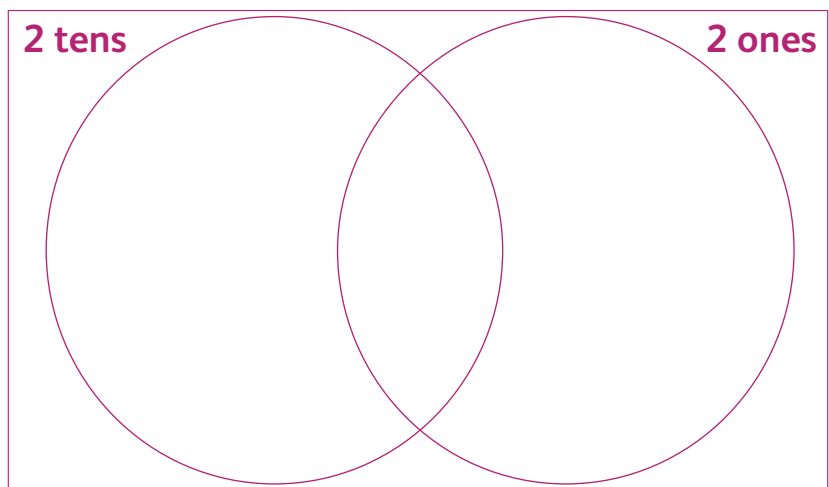
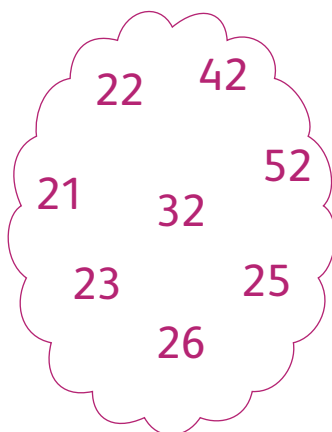
g 43

h 44

i 45

2

a Sort the numbers. Write them in the Venn diagram.



b Choose your own numbers. Write each number in the correct place in the Venn diagram.

3

Guess the numbers.

a



I think of a number. I add 10.
The answer is 13.
What number did I start with?

b

I think of a number. I subtract 10.
The answer is 13.
What number did I start with?



c



I think of a number. I add 1.
The answer is 76.
What number did I start with?

d

I think of a number. I subtract 1.
The answer is 76.
What number did I start with?



e Write your own number problem.

Self-assessment

Unit 1 Number and problem solving



I understand this well.



I understand this, but I need more practice.



I don't understand this.



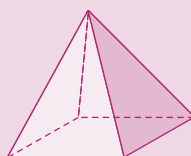
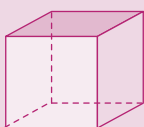
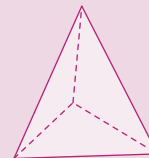
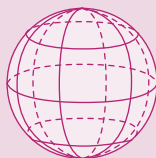
I need more help with ...

Self-check statements			
I can read and write two-digit numbers.			
I can count on and back in ones and tens.			
I can count in twos, fives and tens and show the jumps along a number line.			
I can write any missing number on a number line marked off in multiples of 10.			
I can use 1st, 2nd, 3rd, and so on, to show the order of objects.			
I know what each digit means in two-digit numbers.			
I can work out 1 or 10 more or less than any number.			
I can round two-digit numbers to the nearest multiple of ten.			

Unit 2 Geometry and problem solving

Can you remember?

Name these 3-D shapes.



2-D shapes and symmetry

1 Match each picture to its shape name. Draw lines.

circle

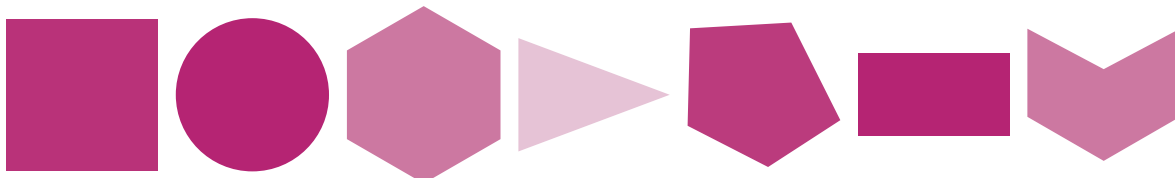
pentagon

hexagon

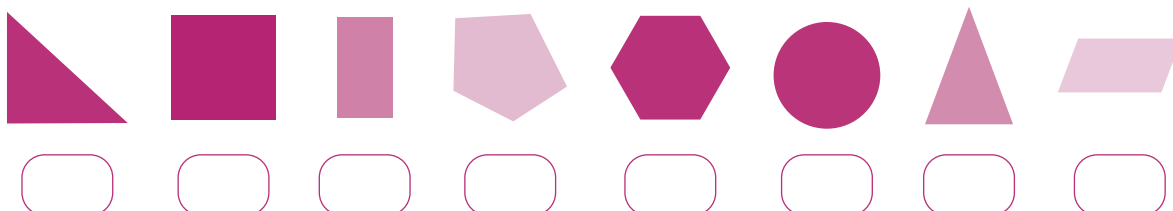
rectangle

square

triangle



2 Tick each shape that has a line of symmetry.

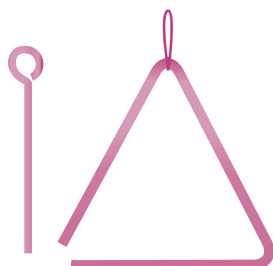


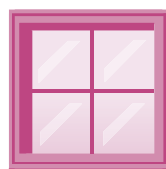
3 Write a shape name for each item.











4 Match each shape, name and description. Draw lines.

three sides and three corners

four sides and four corners

four sides and four corners

five sides and five corners

six sides and six corners



square

pentagon

rectangle

triangle

hexagon

5 Tick each shape with three corners.


☐

☐

☐

☐

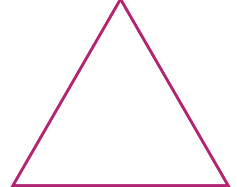
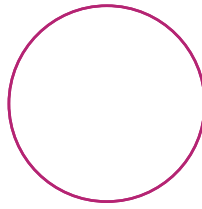
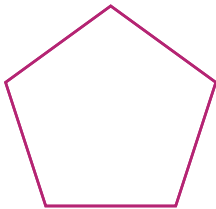
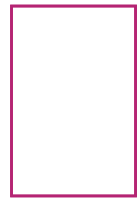
☐

☐

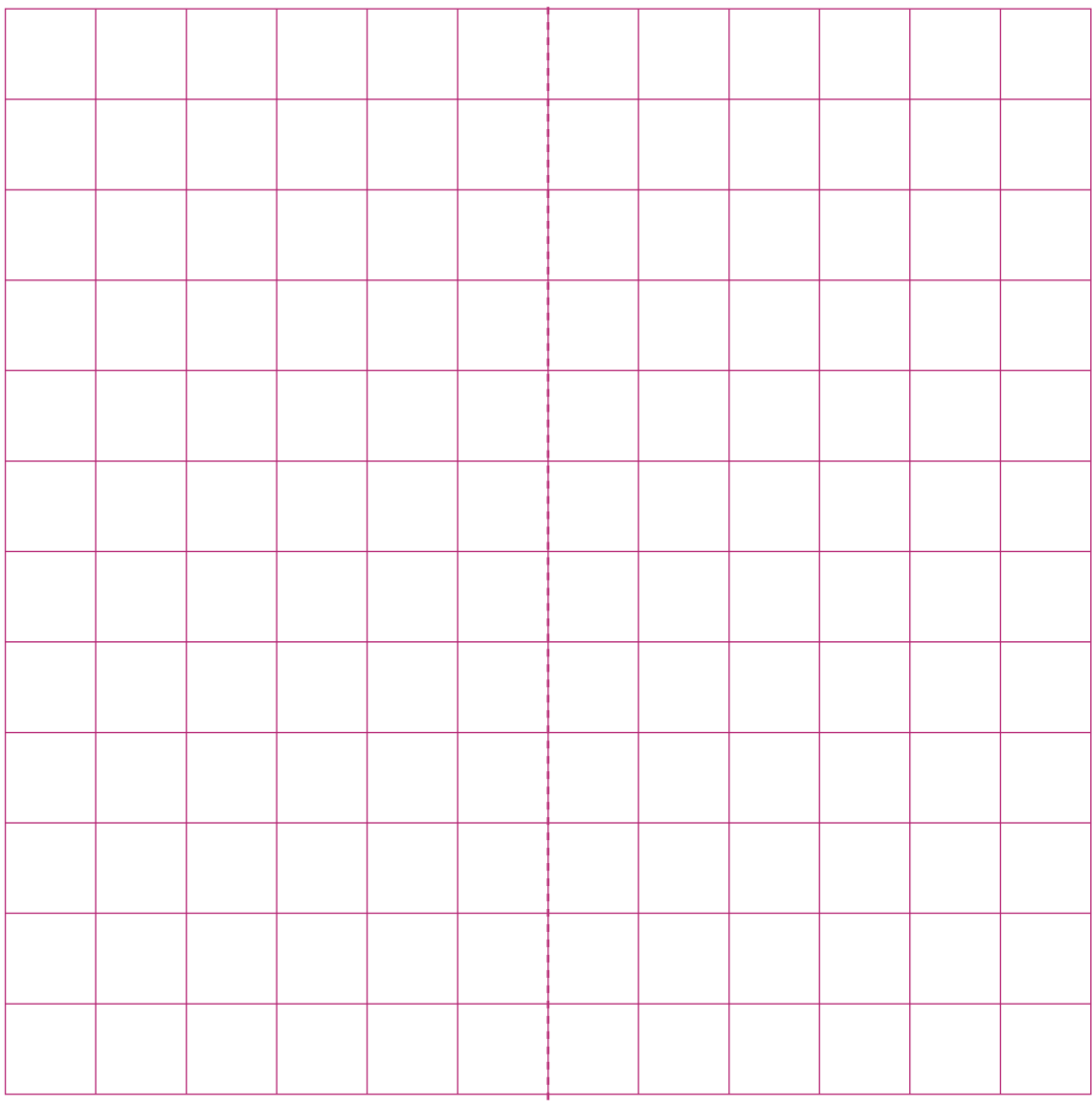
☐

☐

6 Draw a line of symmetry on each shape.

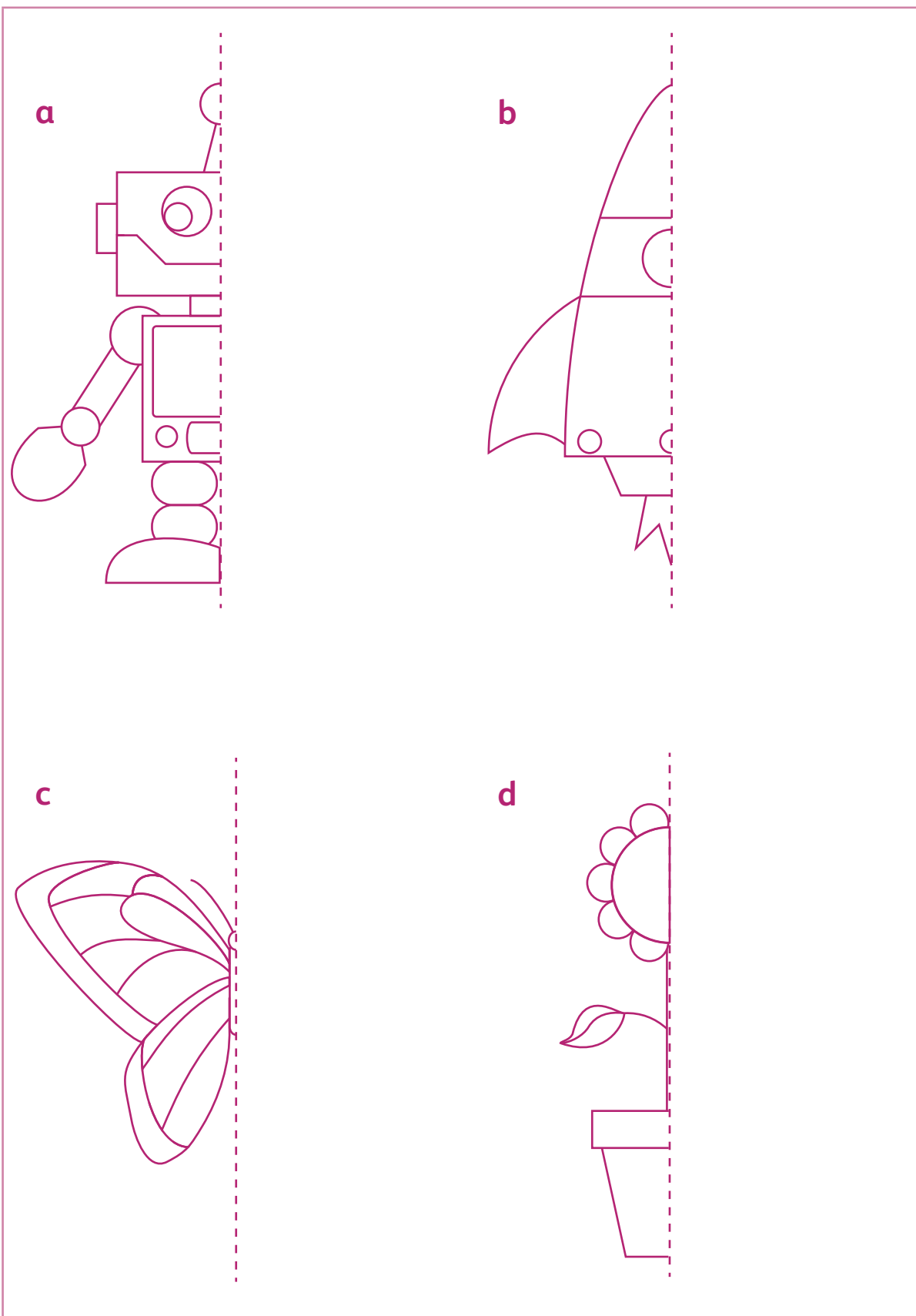


7 Design and colour a symmetrical pattern.



8

Complete the symmetrical pictures.



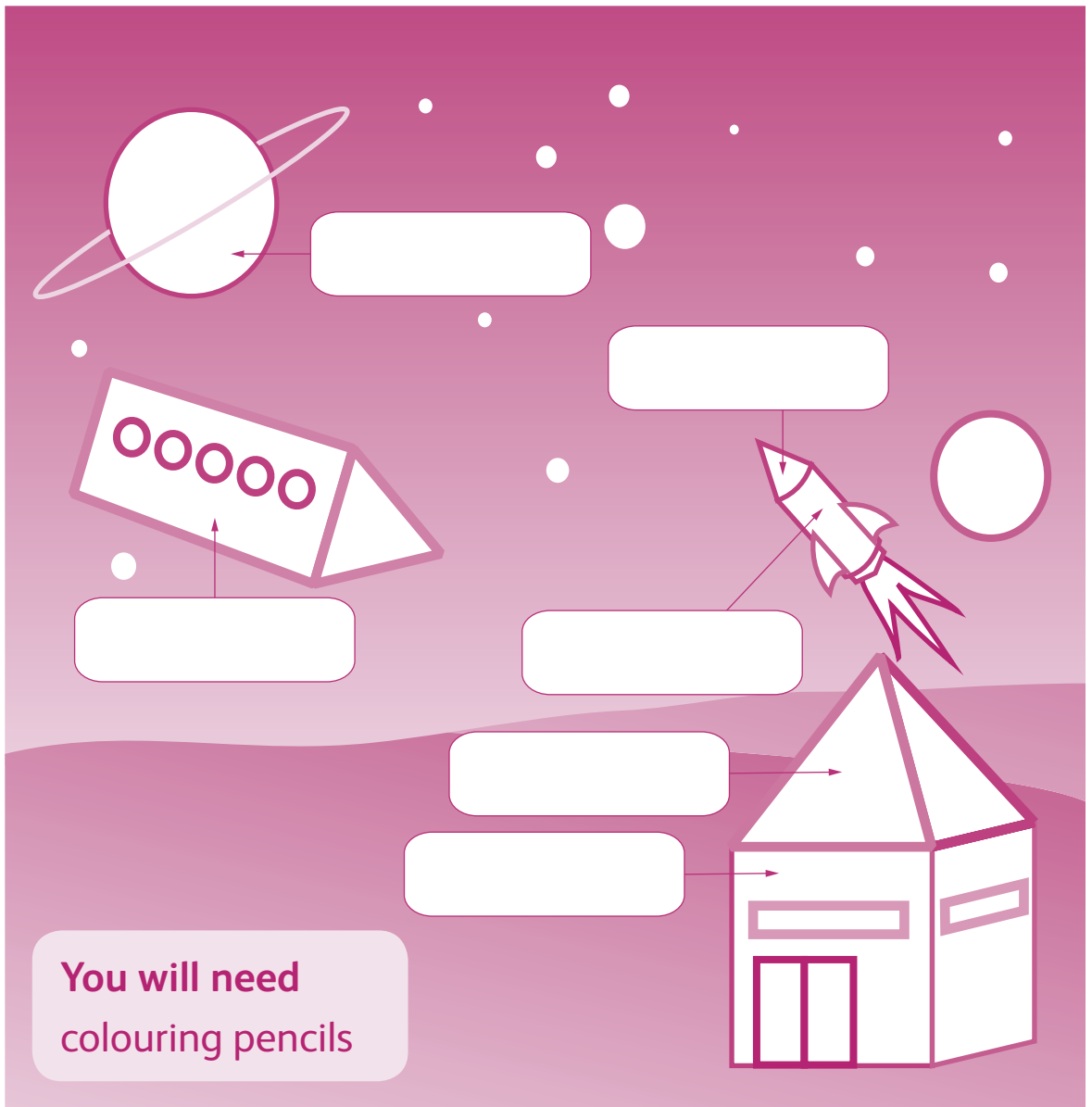
Shapes around me

1 Label the picture. Choose the words from the list.

sphere
cuboid

cylinder
prism

pyramid
cone



2 Colour the picture.

a Colour the spheres blue.

c Colour the cuboid orange

e Colour the cone yellow.

b Colour the cylinder green.

d Colour the pyramid purple.

f Colour the prism red.

3 What shapes are they describing?



My shape has 6 square faces, 8 vertices and 12 edges.
What is my shape?

Draw the shape.

Draw the shape.



My shape has 1 square face, 4 triangular faces, 5 vertices and 8 edges.
What is my shape?

4 Choose four 3-D shapes with straight edges.
Complete the table. Describe the four shapes.

Shape	Number of faces	Number of vertices	Number of edges

Self-assessment

Unit 2 Geometry and problem solving



I understand this well.



I understand this, but I need more practice.



I don't understand this.



I need more help with ...

Self-check statements			
I can look at pictures of 2-D shapes and name them.			
I can sort sets of 2-D shapes in different ways.			
I can describe different shapes and talk about their properties.			
I can draw a line of symmetry on a shape.			
I can complete a symmetrical picture by drawing the 'other half'.			
I can name 3-D shapes.			
I can find and describe shapes around me.			
I can describe the 2-D shapes on the faces of 3-D shapes.			

Unit 3 Number and problem solving

Can you remember?

$6 + \square = 20$

$5 + \square = 20$

$4 + \square = 20$

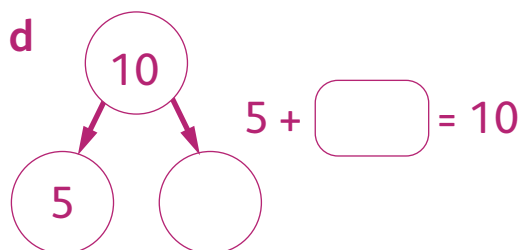
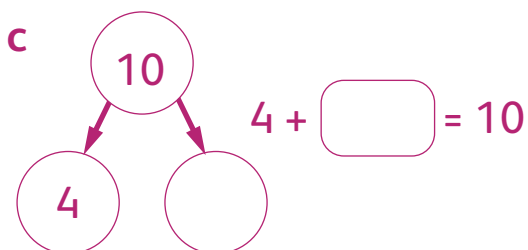
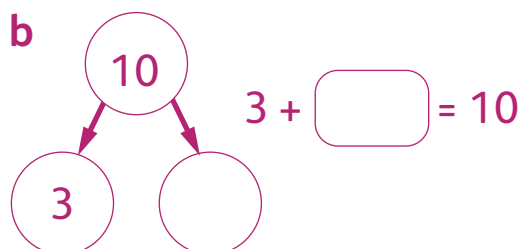
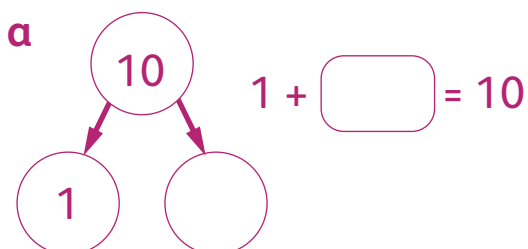
$20 - \square = 15$

$20 - \square = 14$

$20 - \square = 13$

Number facts

1 Make 10 in different ways. Fill in the missing numbers.



2 Use a different colour for each number.
Shade in the blocks to match each number sentence.

a $6 + 2 = \square$

b $5 + 4 = \square$

c $3 + 4 = \square$

d $7 + 2 = \square$

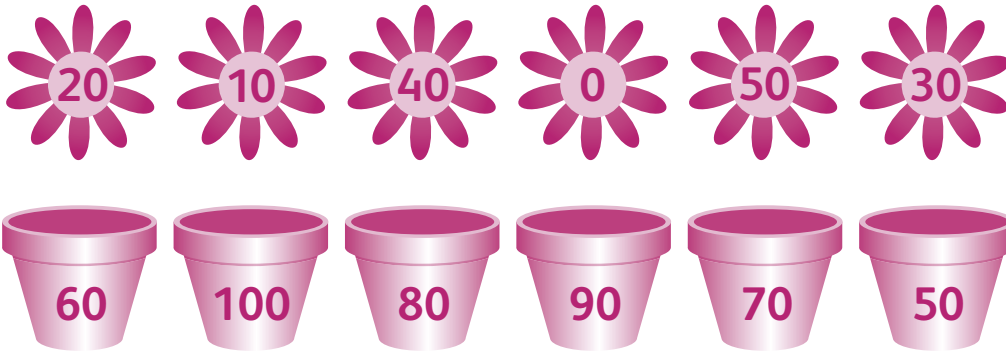
a	b	c	d

Remember
you can add
in any order!



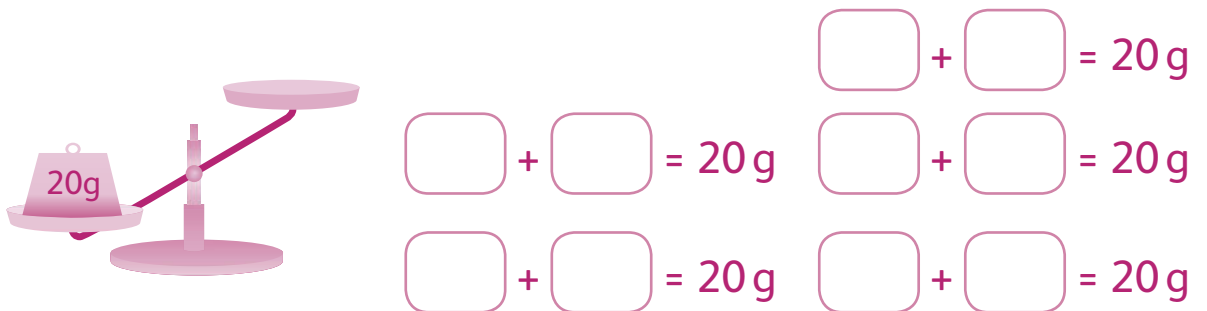
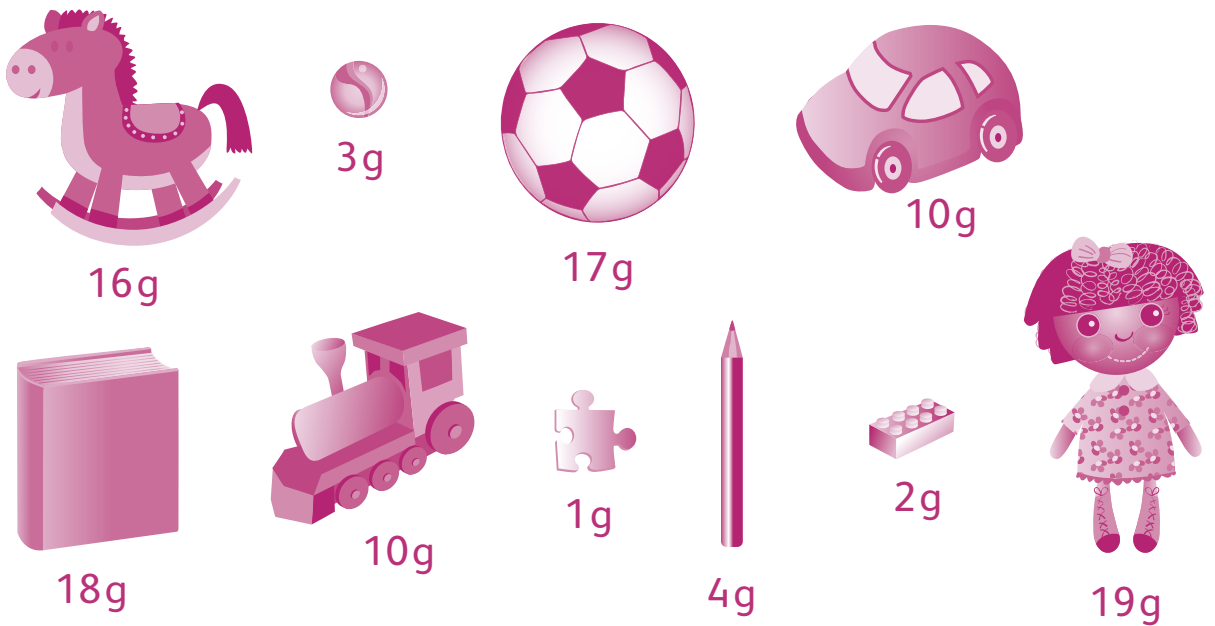
3

Match the flower to the correct pot to total 100.



4

Choose two items from the picture to balance each scale.



5

Fill in the missing numbers.

$$1 + 7 = \boxed{} \quad 4 + \boxed{} = 7 \quad 13 + 6 = \boxed{}$$

$$2 + \boxed{} = 15 \quad 11 + 5 = \boxed{} \quad 14 + \boxed{} = 17$$

Addition and subtraction

1 Write down six different ways to complete the boxes.

$$\square + \square + \square = 9$$

$$\square + \square + \square = 9$$

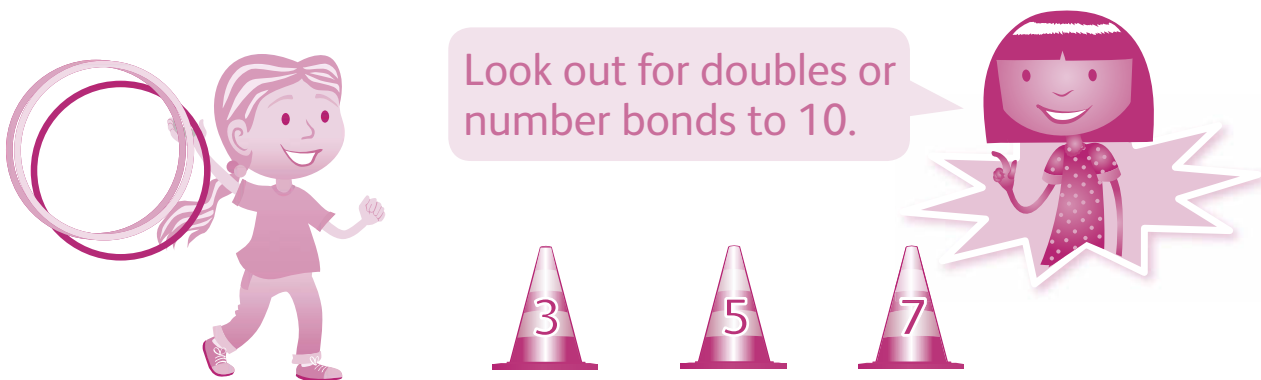
$$\square + \square + \square = 9$$

$$\square + \square + \square = 9$$

$$\square + \square + \square = 9$$

$$\square + \square + \square = 9$$

2 The children are playing a game. Each child tries to throw a hoop over the cones. They take turns to throw three hoops each.



a The table shows the children's scores. Work out the totals.

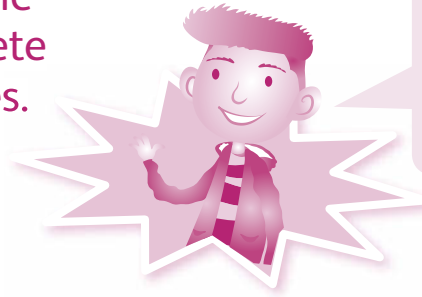
Name	1st hoop	2nd hoop	3rd hoop	Total
Tessa	7	7	3	
Bruno	5	5	7	
Jade	3	5	7	
Manuel	3	3	3	

b Who has the lowest score?

c Write the different scores you could get with four hoops.

3

Draw the jumps on the number lines. Complete the number sentences.



Remember to do subtraction in the order it appears.



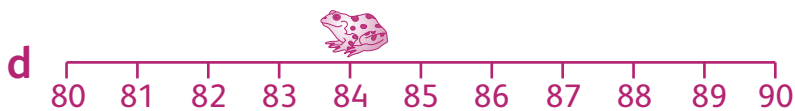
$56 - 3 = \boxed{}$



$48 - 2 = \boxed{}$



$77 - 5 = \boxed{}$



$84 - 3 = \boxed{}$

4

Gabriel had 38 marbles.
He gave six to his friend.
How many does he have left?

5

Sofia had 45 colouring pencils.
She lost three pencils.
How many does she have left?

6

Julio thought of a number.
He took away four. He has 83 left.
What number did Julio start with?

Multiplication

1

Circle the multiples of 2.	Circle the multiples of 10.
16 20 15 18 12 13 11 17 14	42 50 35 100 70 57 40 83 90 61 30 20 78 80 60

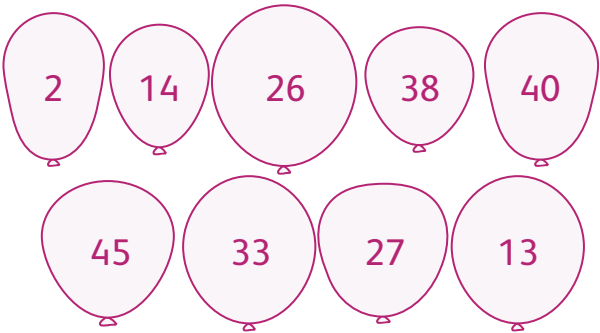
2

Colour the multiples of 5.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

3

- a Colour the balloons with even numbers blue.
- b Colour the balloons with odd numbers yellow.



4

Draw dots to show each repeated addition.
The first one has been started for you.

a

$$4 + 4 + 4 = \boxed{}$$

$$4 \times 3 = \boxed{}$$

b

$$3 + 3 + 3 + 3 = \boxed{}$$

$$3 \times 4 = \boxed{}$$

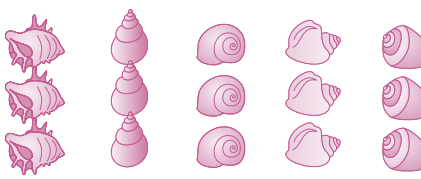
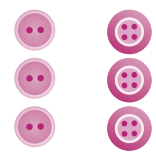

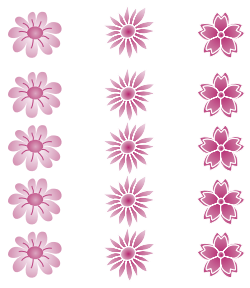
c

$$2 + 2 + 2 = \boxed{}$$

$$2 \times 3 = \boxed{}$$

5

Complete the number sentences for each array.

Self-assessment

Unit 3 Number and problem solving



I understand this well.



I understand this, but I need more practice.



I don't understand this.



I need more help with ...

Self-check statements			
I know the number bonds to 10.			
I can use number bonds to 10 to find multiples of 10 that total 100.			
I can work out the addition and subtraction facts for all numbers to 20.			
I can add sets of small numbers together.			
I can use the +, – and = signs when I add and subtract.			
I can add small numbers to any number up to 100.			
I can show that multiplication is the same as repeated addition.			
I can use an array to show a multiplication.			
I can recognise some multiples of 2, 5 and 10.			
I can recognise odd and even numbers.			

Unit 4 Measure and problem solving

Can you remember?

months in a year

days in a week

minutes in an hour

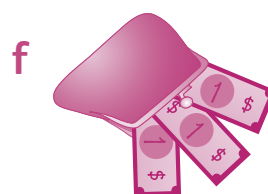
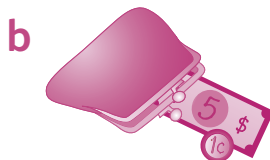
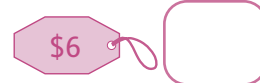
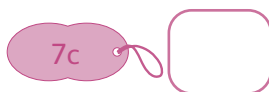
seconds in a minute

Money

1 Match each purse or hand to the correct amount of money. The first one has been done for you.



C



2 Tick three coins to make each total.

a 7c ☐ 1c ☐ 1c ☐ 1c ☐ 10c ☐ 5c

b 16c ☐ 5c ☐ 5c ☐ 10c ☐ 5c ☐ 1c

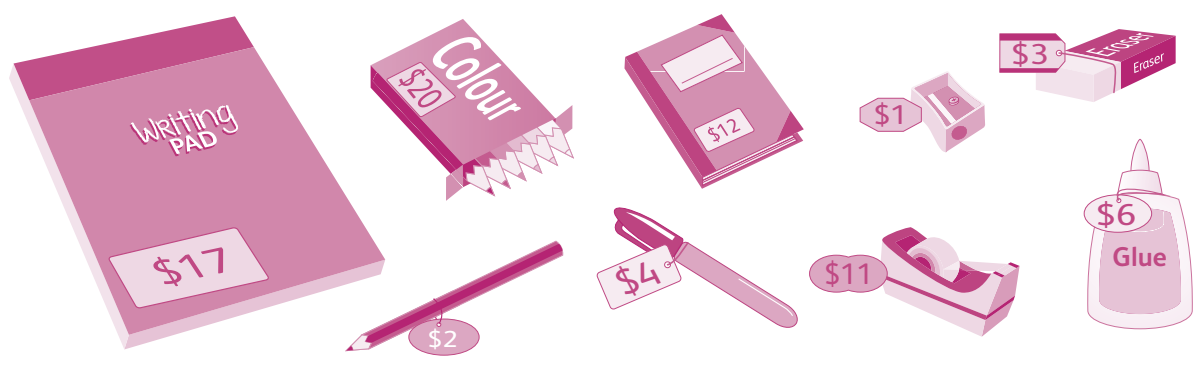
c 25c ☐ 25c ☐ 1c ☐ 5c ☐ 10c ☐ 10c

d 31c ☐ 25c ☐ 1c ☐ 5c ☐ 10c ☐ 10c

e 35c ☐ 25c ☐ 1c ☐ 5c ☐ 5c ☐ 10c

f 45c ☐ 25c ☐ 1c ☐ 5c ☐ 10c ☐ 10c

3 How much do you pay for stationery?



Items bought	Work out the total cost	Draw notes and coins to make the amount
	$\$2 + \$6 = \$8$	

4 How much change do you get from \$20?

a

b

c

d

Measuring length

1

- a Estimate the length of each line.
- b Use a ruler to measure the length of each line in centimetres.

You will need
a ruler

A _____

B _____

C _____

D _____

E _____

F _____

G _____

H _____

Line	Estimate	Measurement
A		
B		
C		
D		
E		
F		
G		
H		

Remember to place the ruler with the 0 cm at the beginning of the line you are measuring.



2

- a Which is the shortest line?
- b Which is the longest line?
- c Write the line lengths in order from shortest to longest.

3 Choose five items to measure. Complete the table.

Item	Estimate length in cm	Length in cm

4 The children practised long jump. They measured each jump.



a Victor jumped 1 cm further than Tessa. How far did he jump? Complete the table.

Carlos	87 cm
Tessa	85 cm
Victor	
Lucia	91 cm

b Who jumped the furthest?

c Whose jump was the shortest?

d Write the lengths in order from shortest to longest.

Time

1

a Complete the table. Fill in the missing days of the week.

Tuesday
Wednesday
Saturday

b Complete the table.
Fill in the missing months of the year.

January		March	April		June
		September			December

2

Match the lengths of time. The first one has been done for you.

24 hours

12 months

7 days

60 minutes

60 seconds

1 year

1 hour

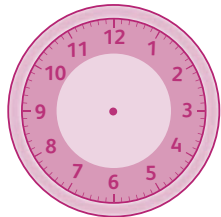
1 minute

1 week

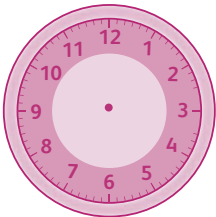
1 day

3

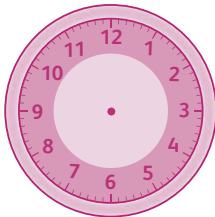
Draw the hands on each clock to show the time.



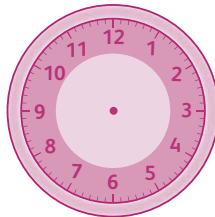
3 o'clock



5 o'clock



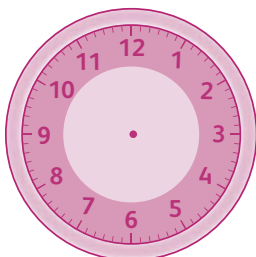
9 o'clock



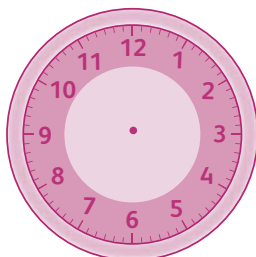
12 o'clock

4

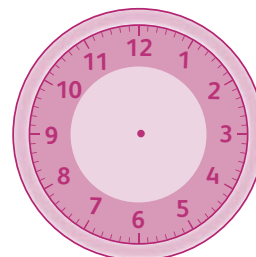
Draw the hands on each clock to show the time.



half past 2



half past 11



half past 6

5

Write the digital time for each clock.



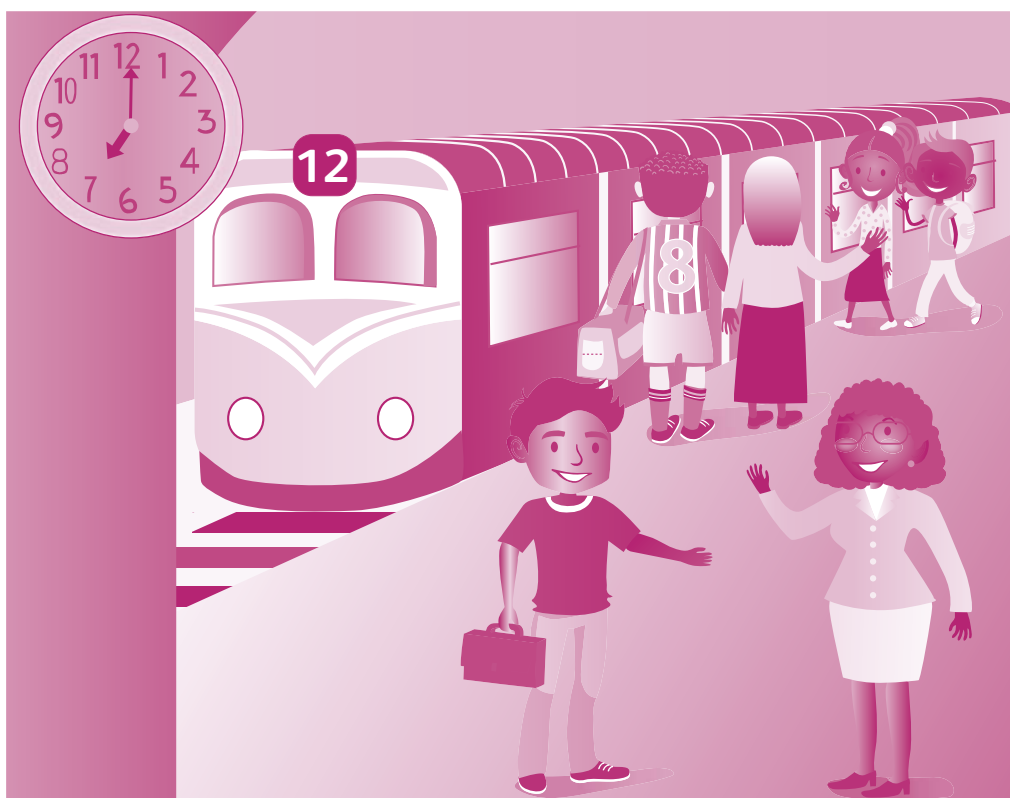






6

The clock shows the time the train arrived. Write the time.



Self-assessment

Unit 4 Measure and problem solving



I understand this well.



I understand this, but I need more practice.



I don't understand this.



I need more help with ...

Self-check statements			
I can recognise and name the coins and notes we use.			
I can write money amounts correctly.			
I can pay for items with different coins and notes.			
I can work out the change when I give a note.			
I can use a ruler and metre stick to measure the length of objects.			
I can compare lengths and know how long a metre is and how long a centimetre is.			
I know the difference between seconds, minutes and hours.			
I know how many days there are in a week.			
I know the days of the week and the months of the year, and can say them in order.			
I can read the time to the half-hour and use 'o'clock' and 'half past'.			

Unit 6 Number and problem solving

Can you remember?

26, 36, 46, , 66, ,

98, , 78, , 58, 48,

33, 34, , , , 38,

Counting patterns

1 a Count **on** in tens.

44, , , , ,

45, , , , ,

b Count **back** in tens.

87, , , , ,

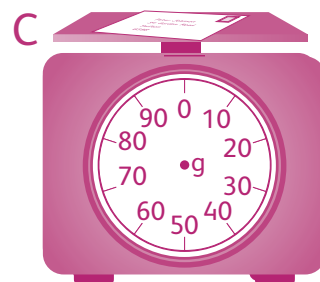
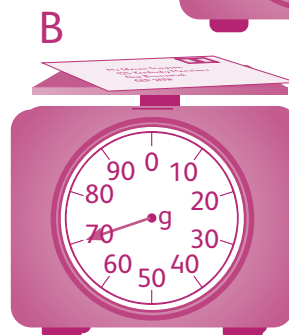
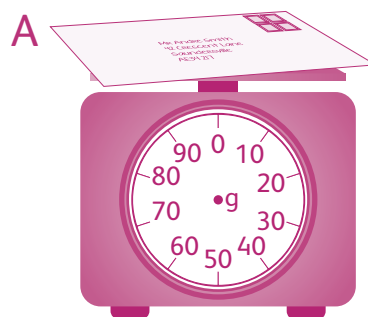
86, , , , ,

2 Letter B has a mass of 70 g.

a Letter A is 10 g heavier than letter B. Letter A's mass is g.

b Letter C is 10 g lighter than letter B. Letter C's mass is g.

c Draw arrows on the scales to show the masses for letters A and C.





- 3 Estimate how many fish there are in the fish tanks altogether. Tick one.

10 ☐ 30 ☐ 50 ☐ 100 ☐

- 4 Each hutch has 2 rabbits.
How many rabbits are there in ...
4 hutches? 5 hutches? 6 hutches? 7 hutches?

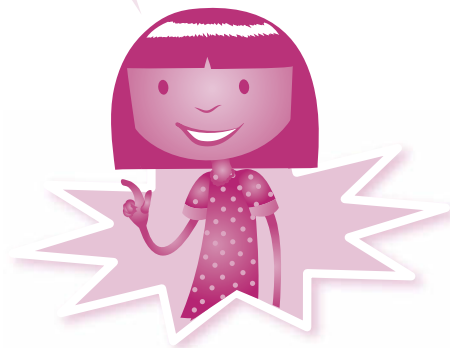
☐ ☐ ☐ ☐

- 5 The fish food costs \$5 for 1 tin.
What is the cost of ...

6 tins? 7 tins? 8 tins? 9 tins?

☐ ☐ ☐ ☐


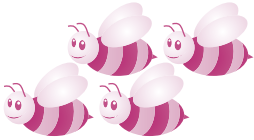
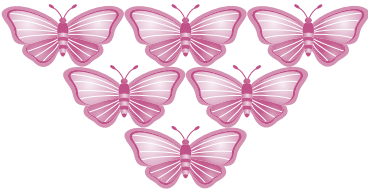


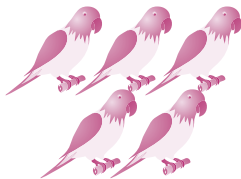
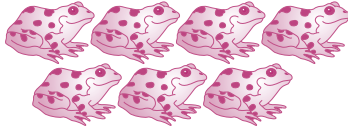
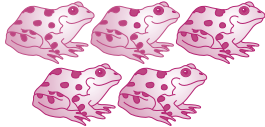
Remember
to count in
10s, 2s or 5s.



Comparing, ordering and estimating

1

Use the < and > signs to compare the numbers.

	<input type="text"/>	
	<input type="text"/>	
	<input type="text"/>	
	<input type="text"/>	

2

Draw pictures to make the sentences true.

<input type="text"/>	<	<input type="text"/>
<input type="text"/>	>	<input type="text"/>

Remember < means 'is less than' and > means 'is greater than'.



3

a Use the < and > signs to compare the numbers.

$37 \square 26$

$12 \square 92$

$34 \square 44$

$35 \square 53$

$64 \square 46$

$79 \square 63$

b Choose numbers to complete the number sentences.

$18 > \square$

$36 > \square$

$53 > \square$

$18 < \square$

$36 < \square$

$53 < \square$

4

Put the pictures in order. Label them 1st, 2nd, 3rd and 4th.

a





1st





b









5

Write the numbers in order from smallest to biggest.

71, 24, 53, 21, 34

, , , ,

68, 13, 2, 93, 51

, , , ,

23, 6, 18, 84, 31

, , , ,

17, 7, 77, 47, 27

, , , ,

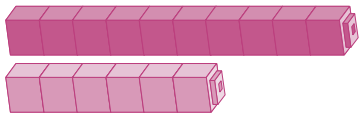
98, 99, 9, 19, 29

, , , ,

Number and place value

1

Write the tens and ones. The first one has been done for you.

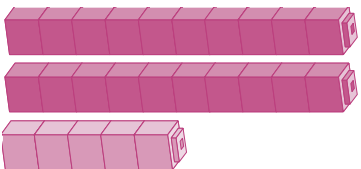


tens

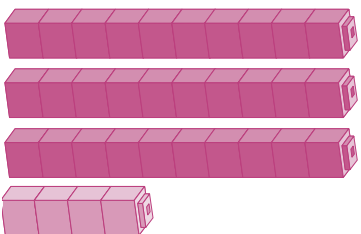
ones

total

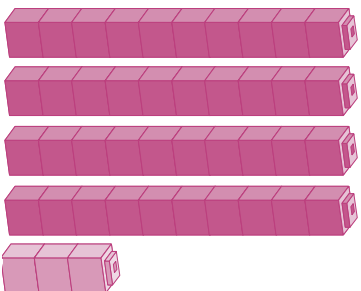
$$\begin{array}{c} \downarrow \\ \boxed{10} \end{array} + \begin{array}{c} \downarrow \\ \boxed{6} \end{array} = \begin{array}{c} \downarrow \\ \boxed{16} \end{array}$$



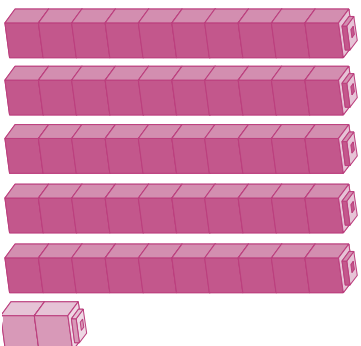
a $\square + \square = \square$



b $\square + \square = \square$



c $\square + \square = \square$



d $\square + \square = \square$

2

Complete the number sentences.

Can you remember
1 more and 1 less,
10 more and 10 less?
Use your knowledge of
place value to help you.



$34 + 1 =$ <input type="text"/>	$52 + 1 =$ <input type="text"/>	$67 - 1 =$ <input type="text"/>
$34 + 10 =$ <input type="text"/>	$52 + 10 =$ <input type="text"/>	$67 + 10 =$ <input type="text"/>
$34 - 1 =$ <input type="text"/>	$52 - 1 =$ <input type="text"/>	$67 + 1 =$ <input type="text"/>
$34 - 10 =$ <input type="text"/>	$52 - 10 =$ <input type="text"/>	$67 - 10 =$ <input type="text"/>

3

a Rosi picked 14 apples. Matias picked 10 more apples than Rosi. How many apples did Matias pick?

$$14 + 10 = \text{$$

b Lola picked 10 apples less than Matias.
How many apples did Lola pick?

c Rashid picked 17 apples.
He ate 1 apple.
How many apples were left?

d Nina had 22 apples in her basket.
She picked 1 more.
How many apples did Nina have?



Self-assessment

Unit 6 Number and problem solving



I understand this well.



I understand this, but I need more practice.



I don't understand this.



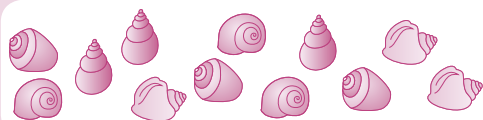
I need more help with ...

Self-check statements			
I can count on and back in ones and tens from numbers over 20.			
I can count groups of objects in twos, fives and tens.			
I can use the < and > signs to compare numbers.			
I can put numbers up to 100 in order.			
I can partition numbers into tens and ones and know what each digit means.			
I can work out 1 or 10 more or less than any number and know what happens to the digits.			

Unit 7 Handling data and problem solving

Can you remember?

Draw a table to show how many items there are.



--

Sorting objects and shapes

1

Sort the shapes. Draw them to complete the Carroll diagram.



pentagon



semi-circle



trapezium



triangle



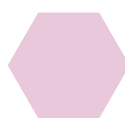
circle



square



rectangle



hexagon



oval



kite

Four sides	Not four sides

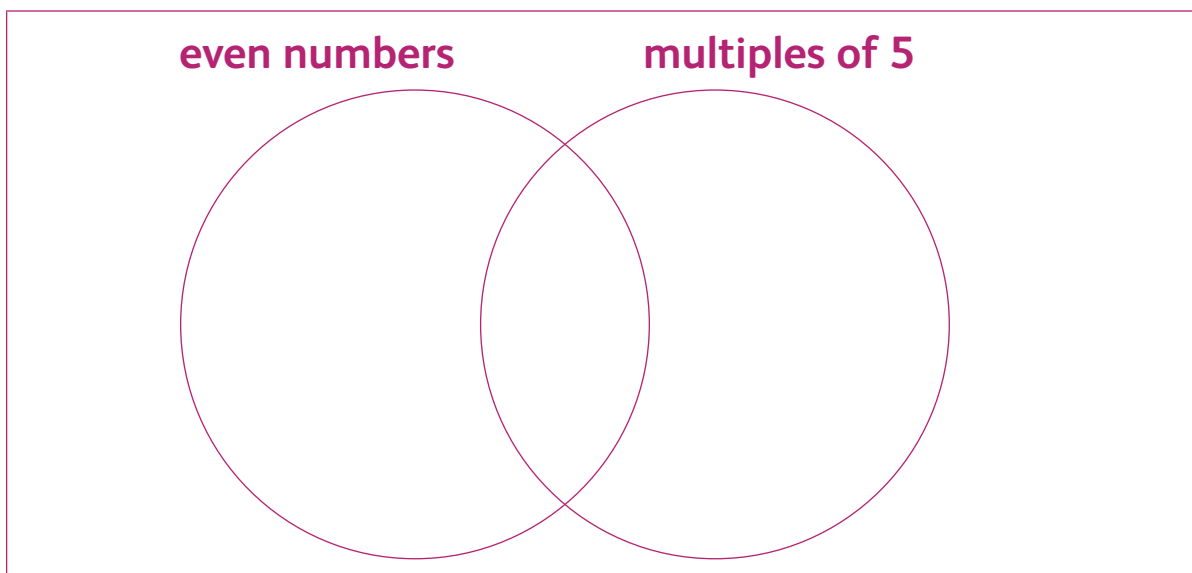
Which shapes have curved sides?

--

2

Sort the numbers. Write them in the Venn diagram.

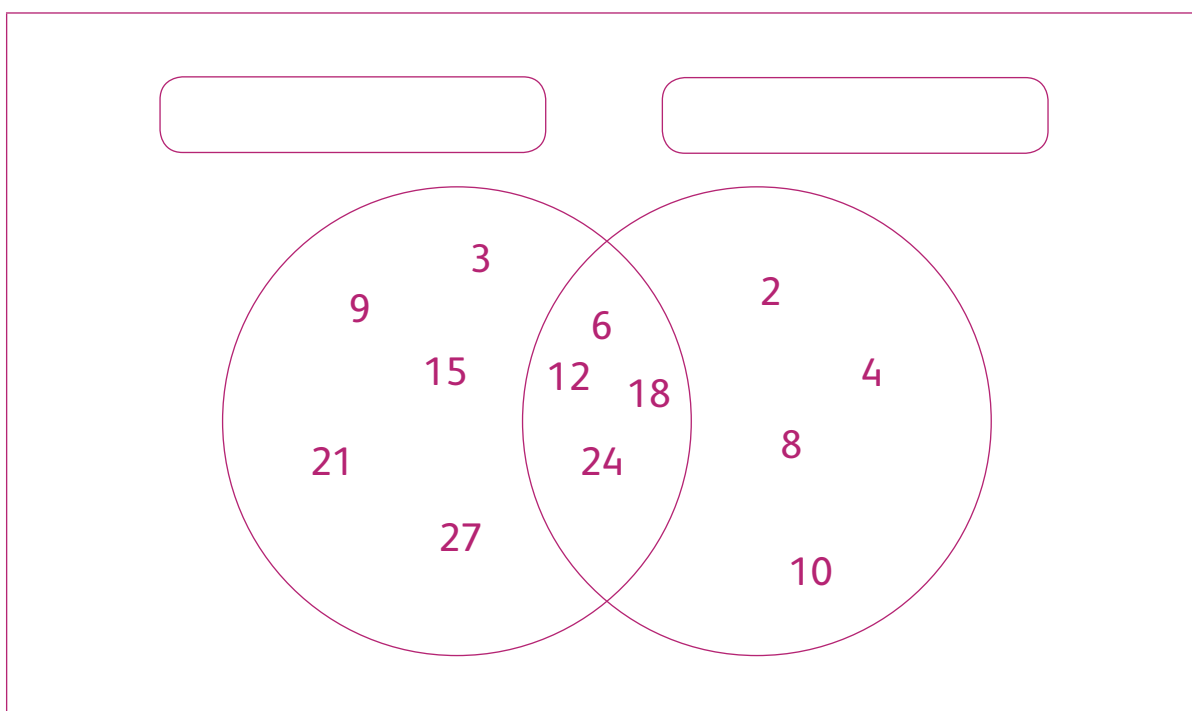
50 45 52 54 40 30 35 25 20 22 18



Now add six more of your own numbers.

3



Look at the Venn diagram. Write the headings in the boxes.



Block graphs and pictograms

1

An explorer recorded the number of animals he saw in the rainforest. He used the data to create a pictogram.

Rainforest animals		Key
Parrot		 = 1 animal
Snake		
Tiger		
Monkey		
Lizard		

Help Macie complete the table by writing in the totals.

Animal	Tally	Number
Parrot	I	6
Snake		
Tiger	I	
Monkey		
Lizard		



a Which animal was most common?

b How many parrots did the explorer see?

c How many monkeys did the explorer see?

d How many more tigers than snakes did the explorer see?

e How many animals did the explorer see altogether?

2 Dylan asked his friends which shape they like best. He recorded the data in a table. Help Dylan complete the table.

Shape		Tally	Number of people
Star	★	II	7
Circle	●	III	
Square	■	III	
Triangle	▲	III	

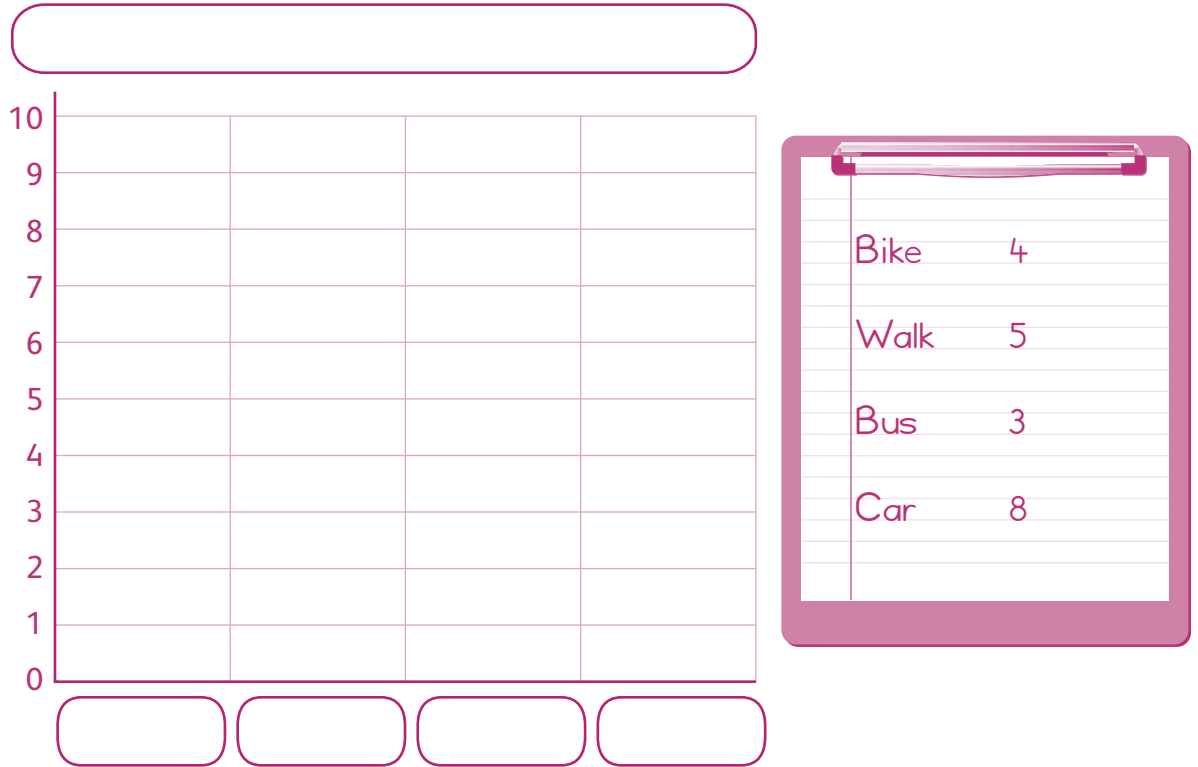
3 Draw a pictogram using the data Dylan collected.

Key

- a Which shape is the most popular?
- b Which shape is the least popular?
- c How many children chose triangles?
- d How many children chose stars?

4

Jade and Matias asked children how they travel to school. They started a block graph to show their data. Help them complete it.



a Which way to travel is the most popular?

b Which way to travel is the least popular?

c How many children travel by bus to school?

d How many children walk to school?

e How many more children walk than ride their bikes?

f How many children did Jade and Matias ask in total?

g How do you travel to school?

Self-assessment

Unit 7 Handling data and problem solving



I understand this well.



I understand this, but I need more practice.



I don't understand this.



I need more help with ...

Self-check statements



I can sort sets of 2-D shapes in different ways on a Carroll diagram.

I can sort numbers in different ways on a Venn diagram.

I can draw a pictogram from data that has been collected.

I can answer questions about a pictogram.

I can draw a block graph from data that has been collected.

I can answer questions about a block graph.

Unit 8 Number and problem solving

Can you remember?

$1 + 19 = \square$

$6 + \square = 20$

$3 + 17 = \square$

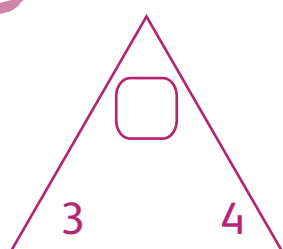
$20 - 18 = \square$

$20 - \square = 7$

$20 - \square = 11$

Addition and subtraction

1 Fill in the missing numbers.

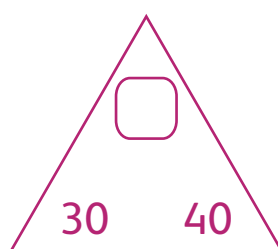


$3 + 4 = \square$

$4 + 3 = \square$

$\square - 3 = 4$

$\square - 4 = 3$

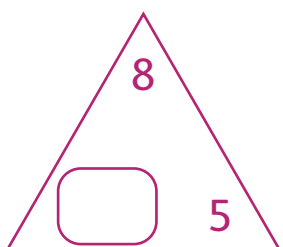


$30 + 40 = \square$

$40 + 30 = \square$

$\square - 30 = 40$

$\square - 40 = 30$

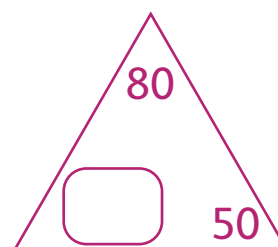


$\square + 5 = 8$

$5 + \square = 8$

$8 - 5 = \square$

$8 - \square = 5$



$\square + 50 = 80$

$50 + \square = 80$

$80 - 50 = \square$

$80 - \square = 50$

2 Draw jumps of ten to complete the calculations.

a $28 + 20 = \square$



b $28 + 30 = \square$



3 The children were practising high jump.



Name	1st Jump	2nd Jump
Sofia	83 cm	86 cm
Carlos	73 cm	75 cm
Bruno	81 cm	86 cm
Lucia	71 cm	75 cm
Tim	84 cm	86 cm

How much higher did each child jump on the second jump?
Count on to work out the difference. Look at the example.

Sofia: $86\text{ cm} - 83\text{ cm} = 3\text{ cm}$



Carlos: $75 - 73 = \square$

Bruno: $\square - \square = \square$



Lucia: $\square - \square = \square$

Tim: $\square - \square = \square$

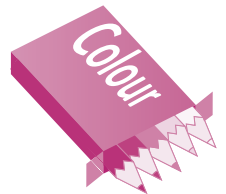


Multiplication

1 Match each number to its double. Draw lines.



2 A box of colouring pencils has five pencils.
Draw an array for each question.
Write the number sentences to complete the table.



Question	Draw an array	Write a number sentence
How many pencils are there in two boxes?		$5 \times 2 = 10$
How many pencils are there in three boxes?		
How many pencils are there in four boxes?		
How many pencils are there in five boxes?		
How many pencils are there in six boxes?		

Division

Jade had 28 marbles. She put them into groups of 4.
How many groups are there?



$$28 \div 4 = 7$$

1

Julio had 20 marbles. He put them into groups of 5.
How many groups are there?

2

Manuel had 15 toy cars. He put them in rows of 3.
How many rows were there?

3

Maya had 45 toy bricks. She built towers of 5 bricks.
How many towers did she build?

4

Match each division number sentence to its multiplication number sentence. Draw lines.

$3 \times 2 = 6$

$5 \times 4 = 20$

$3 \times 5 = 15$

$4 \times 3 = 12$

$5 \times 5 = 25$

$15 \div 3 = 5$

$6 \div 3 = 2$

$25 \div 5 = 5$

$20 \div 5 = 4$

$12 \div 4 = 3$

5

$12 \div 3 = \square$

$13 \div 3 = \square$ remainder \square

$14 \div 3 = \square$ remainder \square

$20 \div 4 = \square$

$21 \div 4 = \square$ remainder \square

$22 \div 4 = \square$ remainder \square

$18 \div 3 = \square$

$19 \div 3 = \square$ remainder \square

$20 \div 3 = \square$ remainder \square

Hint

Sometimes there are some left over when you divide. This is called the remainder!

$6 \div 3 = 2$



$7 \div 3 = 2 \text{ remainder } 1$



6

Rosi had 16 toy bricks. She built towers of 3.

How many towers were there? \square

How many bricks were left over? \square



Self-assessment

Unit 8 Number and problem solving



I understand this well.






I understand this, but I need more practice.



I don't understand this.



I need more help with ...

Self-check statements			
I know number bonds to 10 and pairs of numbers that total 20.			
I can add single-digit numbers to and from two-digit numbers.			
I can add and subtract multiples of 10 to and from two-digit numbers.			
I can count on to find the difference between two near numbers.			
I know all the doubles up to double 10.			
I can use an array and explain how it shows a multiplication.			
I can show how to solve word problems using pictures or objects.			
I can use grouping to show division.			
I can use the \div sign.			
I understand that division can leave some left over.			

Unit 9 Measure and problem solving

Can you remember?

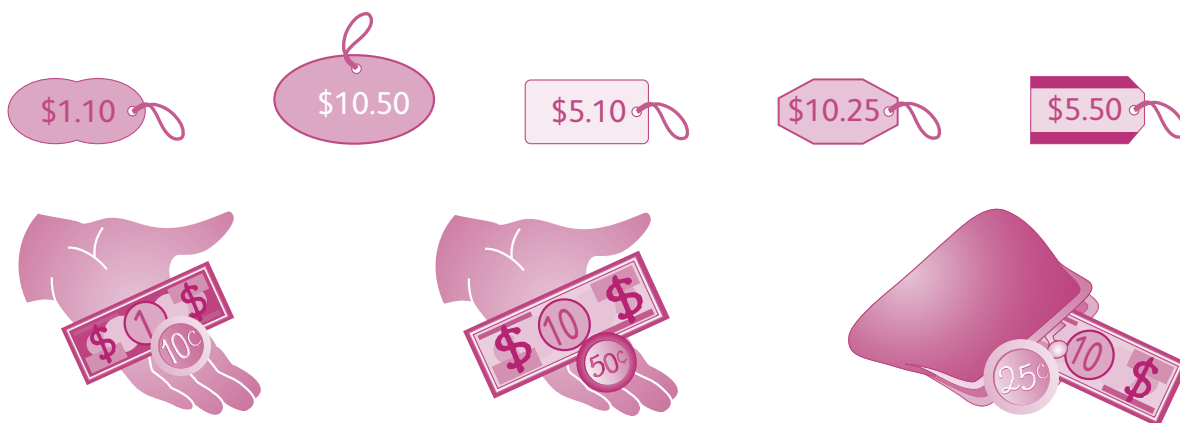
How much money is there in each picture?

a  +  +  = c










b  +  = \$

Money

1 Match each purse or hand to the correct amount of money.



2 You buy fruit at the fruit stall. Complete the table.

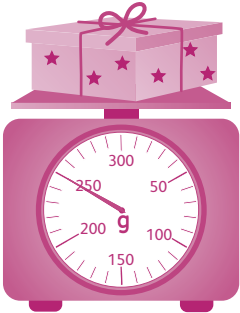
Item bought	Note used to pay	Calculation	Your change
		$5 - 4 = $ <input type="text"/>	
			
			
			

Measuring mass

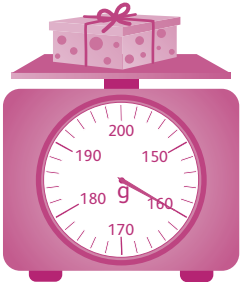
1

Match each parcel to its mass on the scale.
Draw lines.

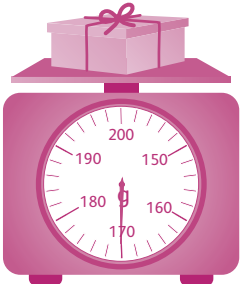
160g



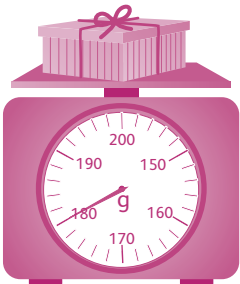
190g



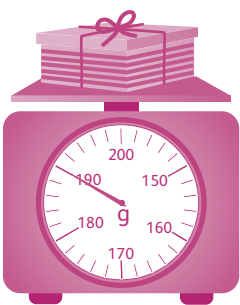
180g



250g



170g



2

Almonds cost \$2 per 100 g.
What is the mass of each of these?

\$2

Roasted Almonds



g

\$3

Roasted Almonds



g

\$4

Roasted Almonds



g

\$5

Roasted Almonds



g

3

a Choose five items and complete the table.

Item	Estimate the mass	Weigh your item



Make sure you estimate before you weigh the item.

b Put your items in order from lightest to heaviest. Draw pictures.

lightest					heaviest

4

Use the < and > signs to compare the weights.

1 kg

+

50 g

1 kg

1 kg

1 kg

+

1 kg

Time

- 1 Manuel visited his grandmother on Monday. He stayed for three days. On which day of the week did Manuel return home?

- 2 It is a Saturday today. Lucia's birthday is in four days' time. On which day of the week is Lucia's birthday this year?

- 3 Carlos posted a parcel on Wednesday to a friend. The parcel took two days to arrive at his friend's house. On which day of the week did the parcel arrive?

- 4 Match the times to the digital clocks. Draw lines.

half past 10

3:00

half past 6

4:00

3 o'clock

6:30

11 o'clock

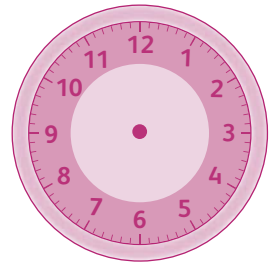
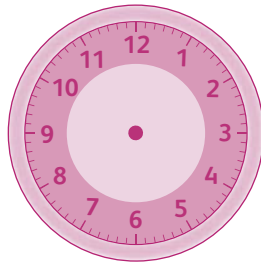
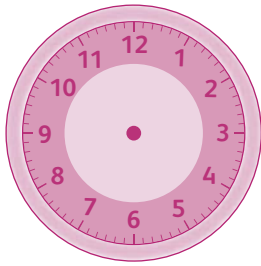
10:30

4 o'clock

11:00

5

Draw hands on the analogue clocks for the time on the digital clocks.



6

Write the digital times.

a

half past 8



b

1 o'clock



c

half past 2



d

7 o'clock



Self-assessment

Unit 9 Measure and problem solving



I understand this well.



I understand this, but I need more practice.



I don't understand this.



I need more help with ...

Self-check statements



I can pay for items with a mix of coins and notes.

I can work out the change when I pay for an item.

I can estimate the mass of objects and measure using non-standard units.

I can use scales to measure the mass of objects.

I can use grams and kilograms to compare the mass of objects.

I know the difference between seconds, minutes and hours.

I know how many minutes there are in an hour.

I can read the time to the half-hour and match digital and analogue clocks.

Unit 11 Number and problem solving

Can you remember?

1 Complete the patterns.

2, 4, , 8, 10, ,

5, 10, , 20, 25, ,

10, 20, , 40, 50, ,

2 Round the numbers to the nearest multiple of ten.

← 51

35 →

19 →

Place value and partitioning

1 Partition the numbers into tens and ones. The first one has been done for you.

a $\begin{array}{c} 25 \\ \swarrow \quad \searrow \\ \underline{2} \text{ tens} \quad \underline{5} \text{ ones} \end{array}$

$$20 + 5 = 25$$

b $\begin{array}{c} 34 \\ \swarrow \quad \searrow \\ \underline{\quad} \text{ tens} \quad \underline{\quad} \text{ ones} \end{array}$

$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$

c $\begin{array}{c} 68 \\ \swarrow \quad \searrow \\ \underline{\quad} \text{ tens} \quad \underline{\quad} \text{ ones} \end{array}$

$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$

d $\begin{array}{c} 96 \\ \swarrow \quad \searrow \\ \underline{\quad} \text{ tens} \quad \underline{\quad} \text{ ones} \end{array}$

$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad}$$

2 a Kadir thinks of a number. He adds 10. The answer is 41.

What number was he thinking of?

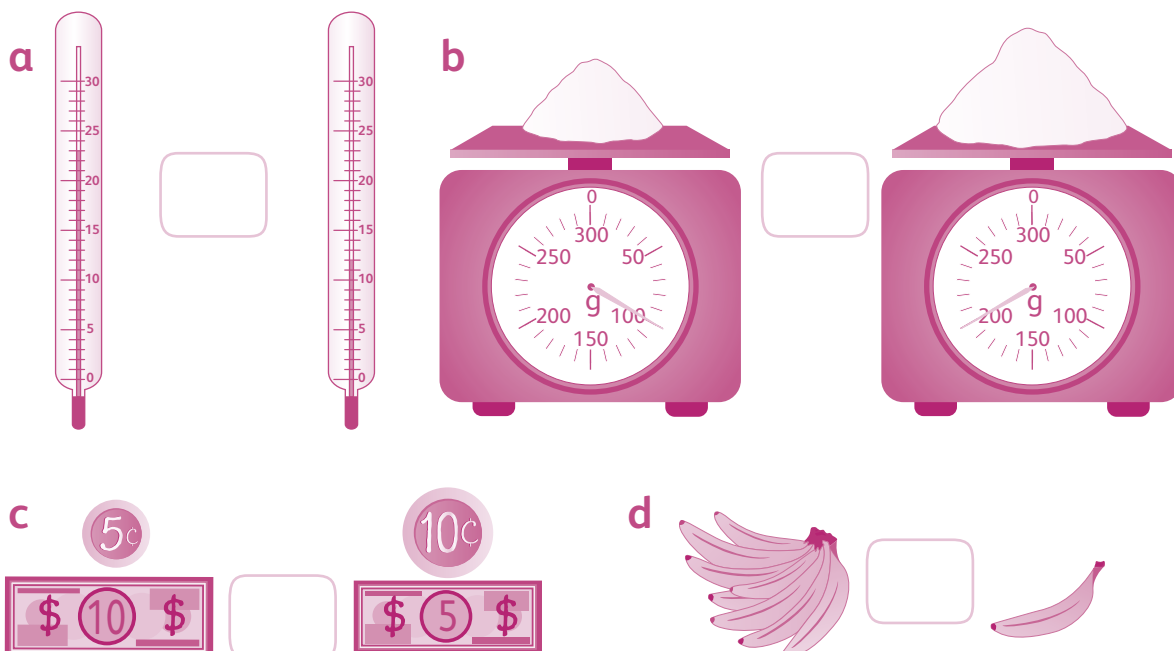
b Rosi thinks of a number. She subtracts 10. The answer is 76.

What number was she thinking of?

c Lucia thinks of a number. She adds 1. The answer is 95.

What number was she thinking of?

3 Compare the amounts using the $<$ and $>$ signs.



4 Compare the amounts using the $<$ and $>$ signs.

a \$2 \$12

b \$3 \$30

c 12°C 2°C

d 29°C 32°C

5 Complete the sentences to make them true.
Choose measurements from the list.

77 cm

20 cm

35 cm

6 cm

53 cm

a cm $>$ cm

b cm $<$ cm

c cm $>$ cm

d cm $<$ cm

6 Write the sets of numbers in order from smallest to biggest.

20, 2, 22, 72, 12

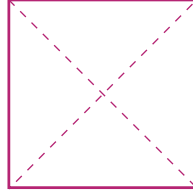
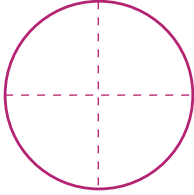
, , , ,

30, 3, 23, 63, 34

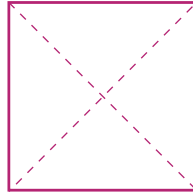
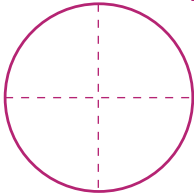
, , , ,

Halves and quarters

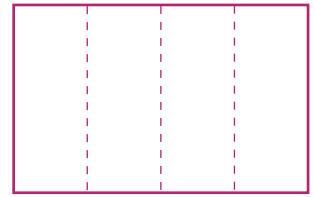
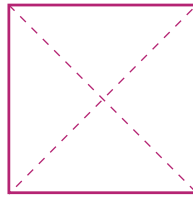
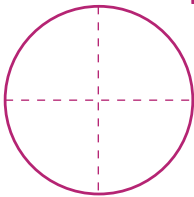
1 Colour in $\frac{1}{2}$ of each shape.



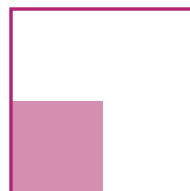
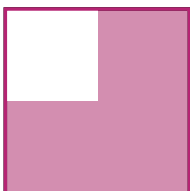
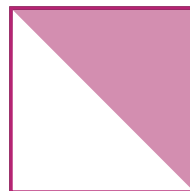
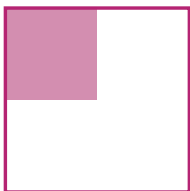
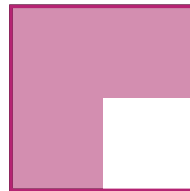
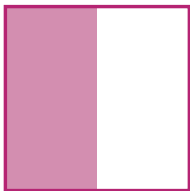
2 Colour in $\frac{1}{4}$ of each shape.



3 Colour in $\frac{3}{4}$ of each shape.

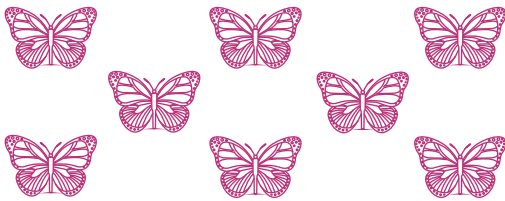
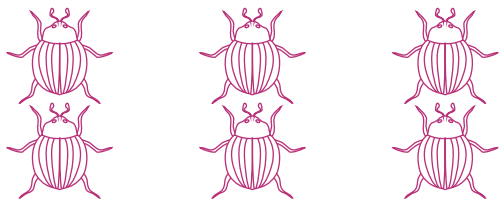
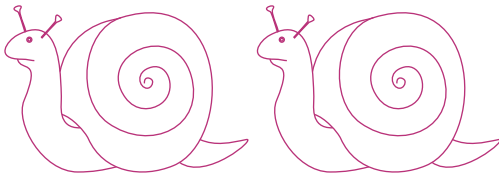



4 Match the equivalent fractions. Draw lines.




5

Colour in $\frac{1}{2}$ the objects in each set. Write how many.

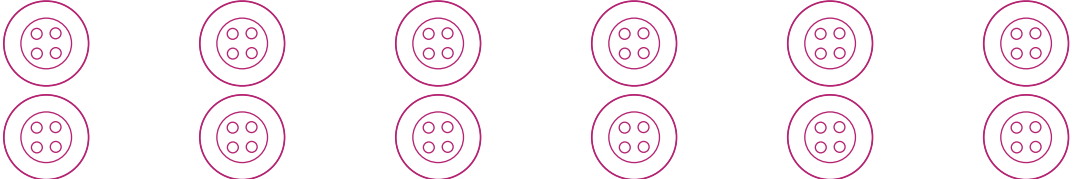
 <p>$\frac{1}{2}$ of <input type="text"/> = <input type="text"/></p>	 <p>$\frac{1}{2}$ of <input type="text"/> = <input type="text"/></p>
 <p>$\frac{1}{2}$ of <input type="text"/> = <input type="text"/></p>	 <p>$\frac{1}{2}$ of <input type="text"/> = <input type="text"/></p>

6

Colour in $\frac{1}{4}$ of the objects in each set. Write how many.



$\frac{1}{4}$ of =



$\frac{1}{4}$ of =

7

The baker has 12 eggs. He uses half the eggs.

How many are left?

8

A farmer has 16 goats. He sells $\frac{1}{4}$ of the goats.

How many are left?

Number patterns

1 Use the number line to count in threes.

0, 3, 6, , , ,



2 Use the number line to count in fours.

0, 4, 8, , , ,

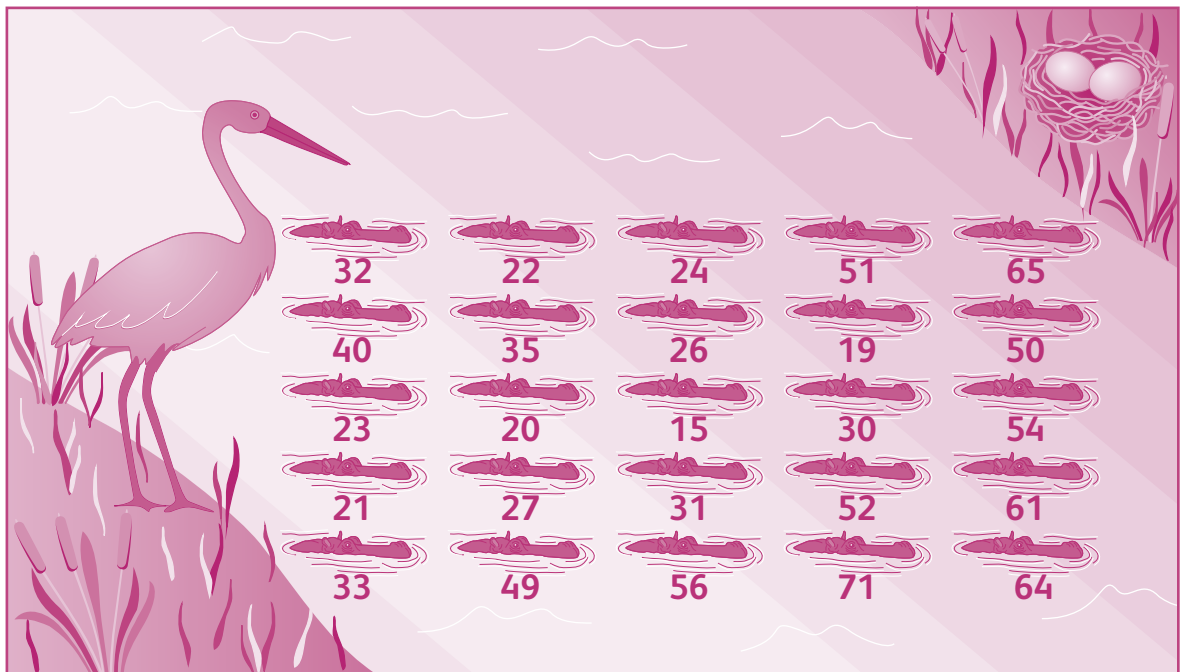


3 Guide the bird across the water to her nest.

Circle the numbers she must follow.

The bird must step on multiples of 5 to miss the hippos.

Each move must be horizontal, vertical or diagonal to the move before. Start on 40.



Self-assessment

Unit 11 Number and problem solving



I understand this well.



I understand this, but I need more practice.



I don't understand this.



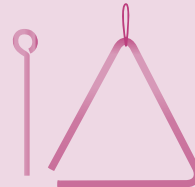
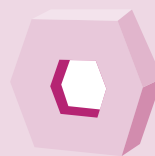
I need more help with ...

Self-check statements			
I can partition numbers into tens and ones and know what each digit means.			
I can work out 1 or 10 more or less than any number and explain what happens to the digits.			
I can put a group of numbers to 100 in order.			
I can use the $<$ and $>$ signs to compare numbers.			
I know if a shape is divided into halves or quarters.			
I can show halves and quarters as equivalent fractions.			
I can work out one half and one quarter of a set of objects.			
I can count in twos, fives and tens to help count groups of numbers.			
I can count on in threes and fours using a number line.			
I can recognise if a number is a multiple of 2, 5 or 10.			

Unit 12 Geometry and problem solving

Can you remember?

a Match the shapes to their names.



hexagon

square

rectangle

circle

pentagon






triangle

b Complete the table and describe each shape.

Shape	Number of sides and corners
Circle	1 curved side, 0 corners
Triangle	3 sides, 3 corners
Square	
Rectangle	
Pentagon	
Hexagon	

2-D and 3-D shapes

1 Think of an example around you for each shape.
Draw a picture.

Shape	Name	Picture
		
		
		
	rectangle	

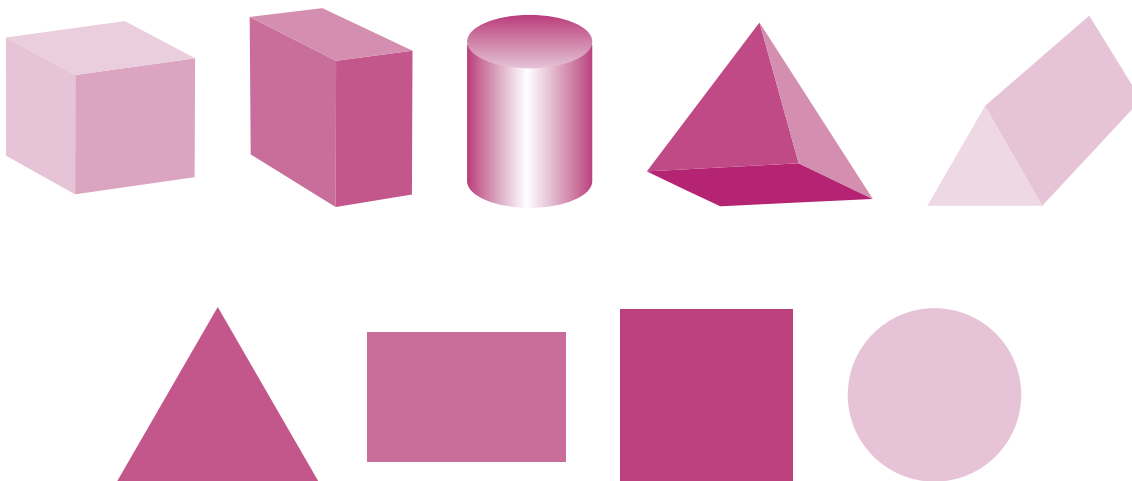
2

Colour all the circles. How many circles can you see?

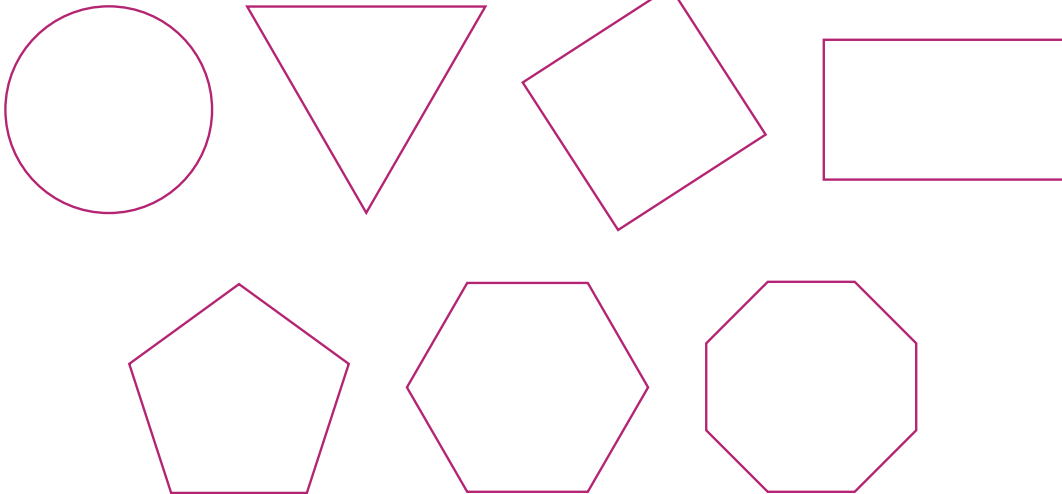


3

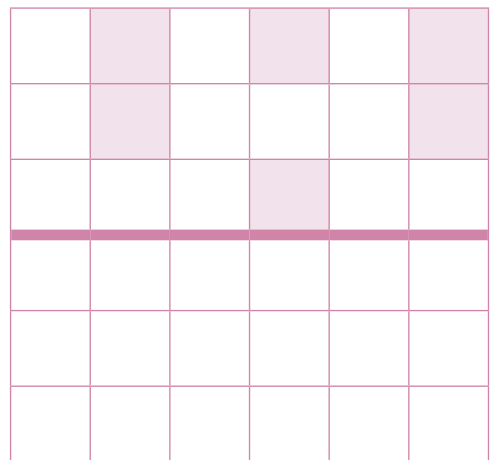
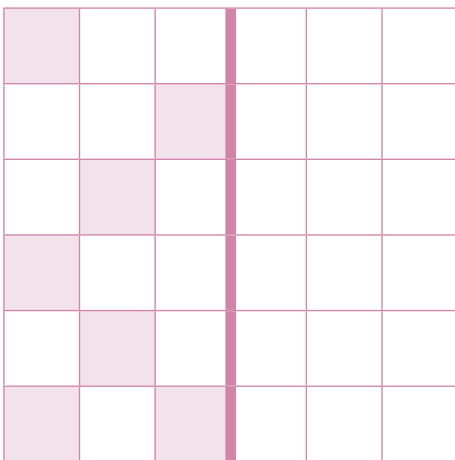
Match the 3-D shape to its face. Some will match more than one face.



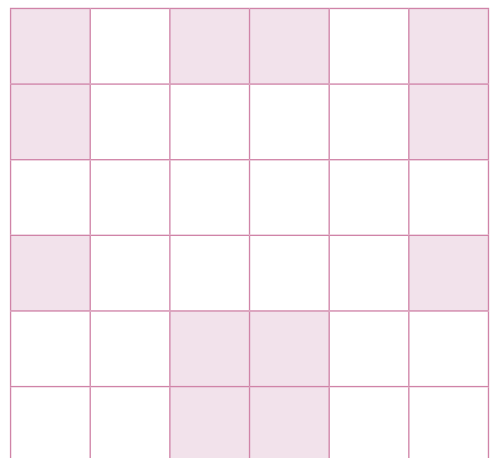
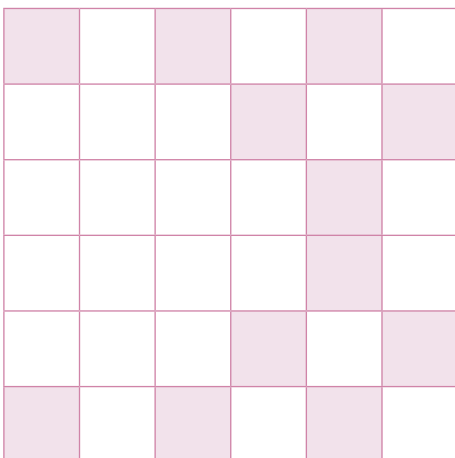
4 Draw a line of symmetry on each shape.



5 Complete the patterns to make them symmetrical.



6 Draw a line of symmetry on each pattern.

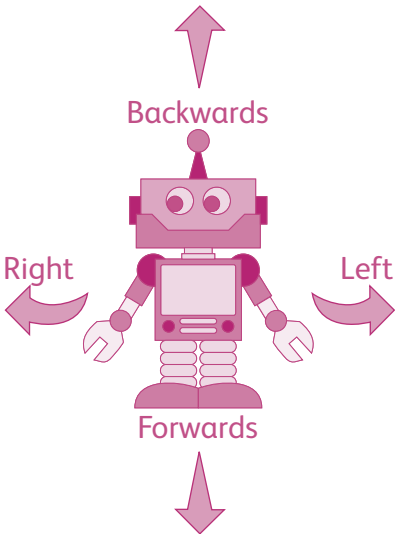


Position and movement

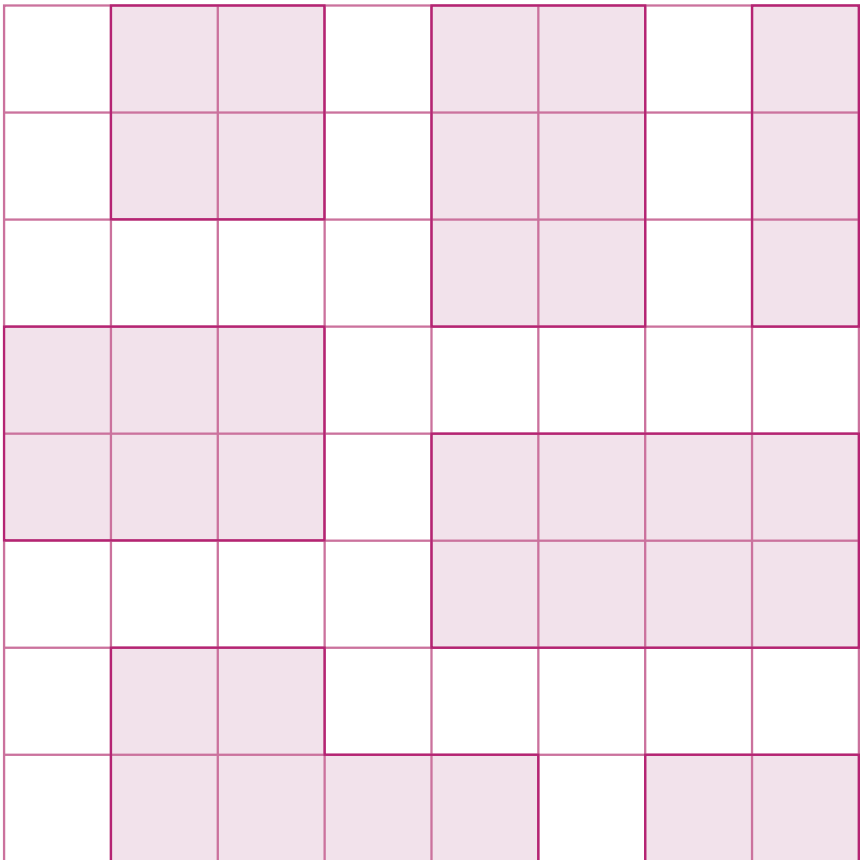
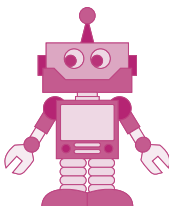
The robot can move forwards, backwards, left and right.



Imagine you are the robot. Which way do you need to go?



Help the robot move through the maze.
Follow the directions on page 67.



1

Follow the directions. Which shape does the robot walk to?

a Forwards 3 squares, left turn, forwards 3 squares, right turn, backwards 2 squares.

b Forwards 3 squares, left turn, forwards 3 squares, right turn, forwards 4 squares, left turn, forwards 4 squares.

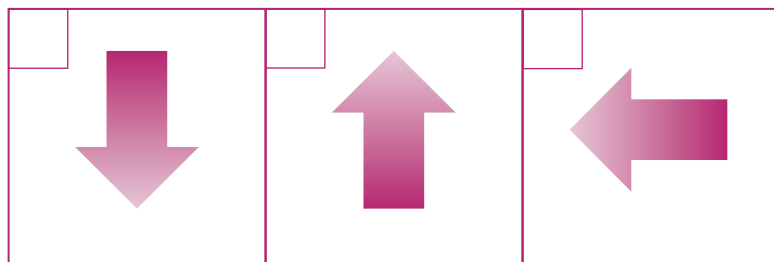
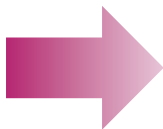
c Forwards 3 squares, left turn, forwards 3 squares, right turn, forwards 1 square, left turn, forwards 4 squares.

d Forwards 3 squares, left turn, forwards 3 squares, right turn, forwards 3 squares, right turn, forwards 3 squares, left turn, forwards 2 squares.

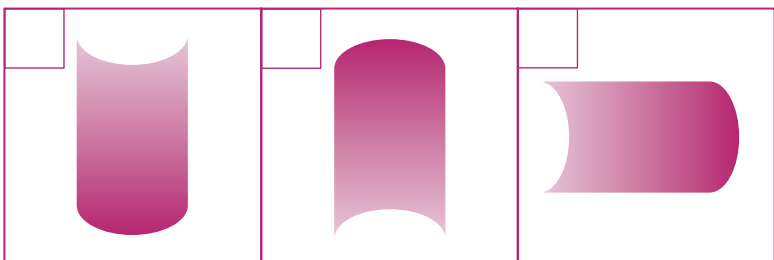
2

The shape moves a quarter-turn anti-clockwise. Tick the correct shape in each row.

a



b



Self-assessment

Unit 12 Geometry and problem solving



I understand this well.



I understand this, but I need more practice.



I don't understand this.



I need more help with ...

Self-check statements



I can look at pictures of 2-D shapes and name them.

I can sort sets of 2-D shapes in different ways.

I can describe different shapes and talk about their properties.

I can draw a line of symmetry on a shape.

I can complete a symmetrical picture by drawing the 'other half'.

I can name 3-D shapes.

I can find and describe shapes around me.

I can describe the 2-D shapes on the faces of 3-D shapes.

Unit 13 Number and problem solving

Can you remember?

$20 + 10 = \square$

$20 + 20 = \square$

$20 + 30 = \square$

$50 + 10 = \square$

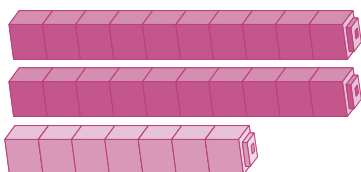
$50 + 20 = \square$

$50 + 30 = \square$

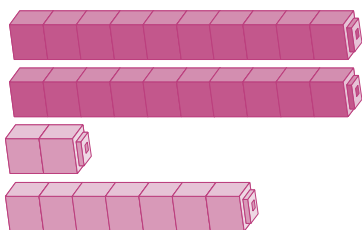
Addition and subtraction

1

a

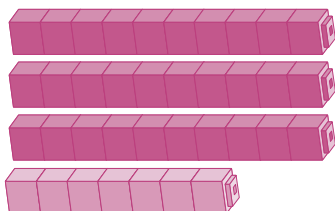


$20 + 7 = \square$

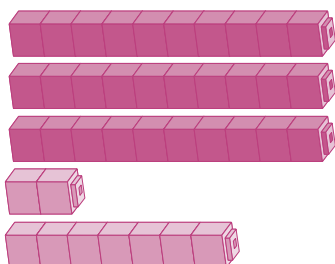


$22 + 7 = \square$

b



$30 + 7 = \square$



$32 + 7 = \square$

2

$22 + 27 = \square$

$45 + 13 = \square$

$64 + 23 = \square$

$32 + 27 = \square$

$45 + 23 = \square$

$64 + 33 = \square$

3 There are 18 motorbikes and 21 cars on the ferry.
How many vehicles are there altogether?

4 Choose the best method to solve the calculations.
Complete the table.

Find the difference (counting on)	Take away (counting back)	81 – 78	73 – 69
		63 – 60	95 – 91
57 – 54 =	82 – 3 =	52 – 49	76 – 12
		53 – 8	49 – 7
		86 – 5	28 – 23

5 Solve the calculations.

a 89 – 87 = b 46 – 45 = c 55 – 4 =

d 78 – 7 = e 38 – 32 = f 29 – 4 =

6 There are 67 seats on an aeroplane. Complete the table.

Day	Empty seats	Passengers
Monday	4	
Tuesday	5	
Wednesday		61
Thursday		59

Multiplication and division

1

Count in 2s, 5s and 10s to work out the answers.

a



How many wellington boots are there?

b



How many arms do the starfish have altogether?

c



How much money is there?

2

a Colour in the multiples of 3.

b Circle the multiples of 4.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

3 Solve the calculations.

$45 \div 5 = \square$

$60 \div 10 = \square$

$20 \div 2 = \square$

$40 \div 5 = \square$

$50 \div 10 = \square$

$18 \div 2 = \square$

$35 \div 5 = \square$

$40 \div 10 = \square$

$16 \div 2 = \square$

4 Solve the calculations.

$15 \div 3 = \square$

$15 \div 5 = \square$

$16 \div 3 = \square$

$16 \div 5 = \square$

$17 \div 3 = \square$

$17 \div 5 = \square$

Sometimes when we divide, there are some left over.



5 The children had 12 shells. They put 4 shells on each sandcastle.

How many sandcastles are there?

6 The children had 13 flags. They put 4 flags on each sandcastle.

How many sandcastles are there?

How many flags are left over?

7 There are 14 sandwiches at the picnic. There are 4 sandwiches for each child. How many children are there?

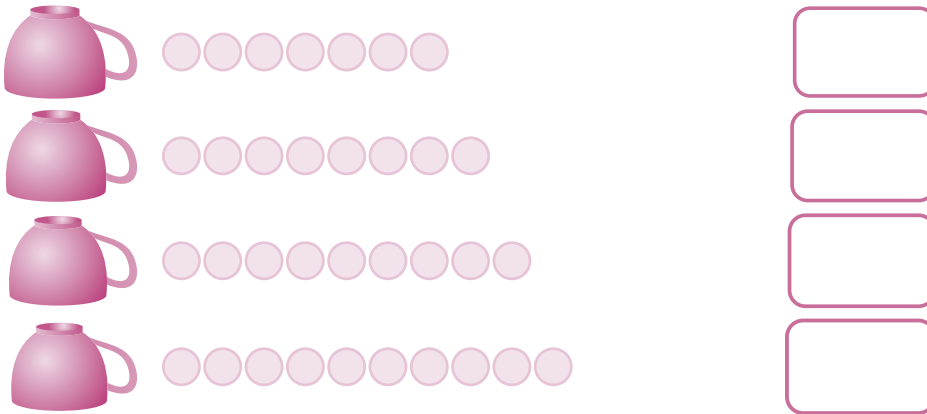
How many sandwiches are left over?

8 There are 15 figs at the picnic. There are 4 figs for each child.

How many figs are left over?

Missing number problems

- 1 There are 20 counters. Carlos hides some under the cup. How many counters are under the cup?



- 2 Solve the calculations.

$$46 - 45 = \square$$

$$\square - 2 = 65$$

$$63 + \square = 69$$

$$\square + 7 = 99$$

$$37 - 31 = \square$$

$$\square - 26 = 1$$

- 3 Make up a story for each number sentence.

Example

$$12 + \square = 20$$

Rosi had 12 marbles. She was given more marbles. She then had 20 marbles. How many marbles was Rosi given?

a $18 + \square = 20$

b $30 - \square = 25$

Self-assessment

Unit 13 Number and problem solving



I understand this well.



I understand this, but I need more practice.



I don't understand this.



I need more help with ...

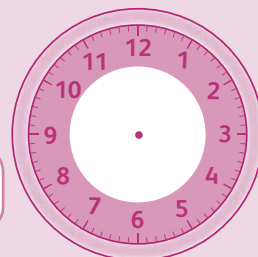
Self-check statements			
I can add some two-digit numbers and explain my method.			
I can show how to solve word problems using pictures or objects.			
I can find the difference between two near numbers and can explain how to subtract by taking away and by finding the difference.			
I know all the doubles of multiples of 5 up to double 50.			
I can solve problems by counting in twos, fives and tens.			
I can describe patterns of $3\times$ and $4\times$ tables on the 100 square.			
I understand that division can leave some left over.			
I can explain the methods I use to solve problems and solve number sentences with missing numbers.			
I can make up a story for a missing number calculation.			

Unit 14 Measure and problem solving

Can you remember?









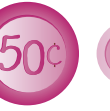






Draw the hands on the clock to show half past 9.

Which day comes before Friday?



Money

1 Draw a circle around three coins to make each total.

\$1.05	    
\$1.25	    
\$1.75	    

2 Use two notes and three coins to make \$20.75.

3 Lemons cost \$1 each and oranges cost \$1.50 each.

a Mia buys 5 lemons and 2 oranges.



How much change does she get from \$10?

b Kadir buys 3 lemons and 3 oranges.

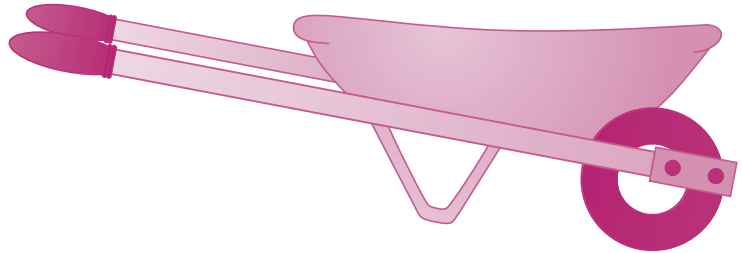
How much change does he get from \$10?

Measuring capacity

1

Estimate the capacity of these containers. Draw lines to match.

10 ℓ



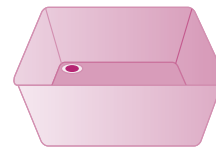
100 ℓ



250 ml



2 ℓ



2

Use $<$, $>$ or $=$ to compare the amounts.



3

How much water is in each measuring jug?

a**c****d****4**

You will need
a measuring jug and water

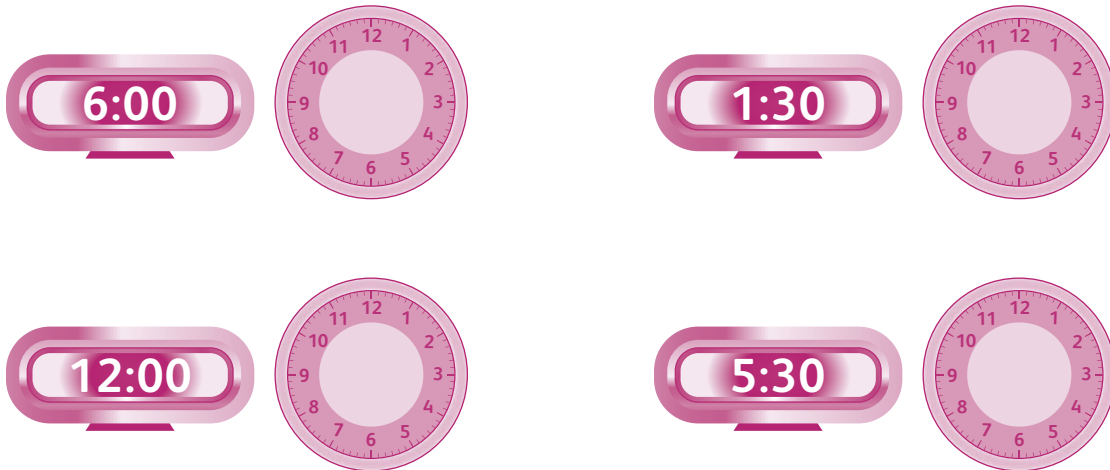
a Pour these amounts into the jug.

- 200 ml
- 250 ml
- 450 ml
- 1000 ml

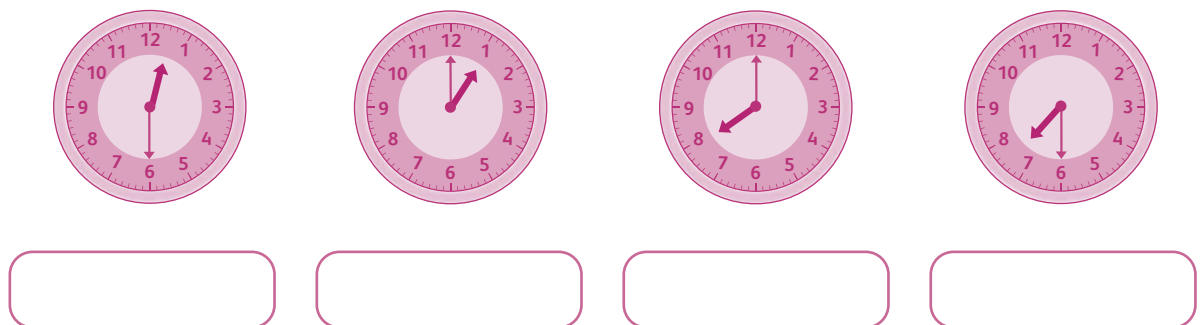
b Will the total amount fill a 2-litre bottle?

Time

1 Draw the hands on each analogue clock to match the digital time.



2 Write the times in order from earliest to latest.



3 Julio went into the dentist at 4 o'clock. He was there for 1 hour. What time did he come out?

4 Mia went into the hairdresser at 1 o'clock. She left at 3 o'clock. How long was she at the hairdresser?

5

Choose the best unit to measure the time of each event.
Draw lines to match.



brushing your teeth

seconds



a plane journey

minutes



winking your eye

hours

6

a How many days are there in five weeks?

b How many months are there in two years?

Self-assessment

Unit 14 Measure and problem solving



I understand this well.



I understand this, but I need more practice.



I don't understand this.



I need more help with ...

Self-check statements



I can pay for items with a mix of coins and notes.

I can work out the change when I pay for an item.

I can compare the capacity of containers.

I can use measuring jugs to find the capacity of different containers.

I can read the time to the half-hour on digital and analogue clocks.

I know the different units we use to measure time.

I know how many days there are in a week and how many months there are in a year.